



Ap 2772

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of) Group Art Unit: Not Assigned
YASUO NOMURA ET AL.) Examiner: Not Assigned
Appln. No. 09/556,949)
Filed: April 21, 2000) 2001 Ferry Building
For: APPARATUS, METHOD AND) San Francisco, CA 94111
MEDIUM FOR INFORMATION) 415/433-4150
PROCESSING)

)

Attention: Official Draftsman
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed for filing in the above-identified application are forty-five (45) sheets of formal drawings comprising Figures 1 through 45C.

Respectfully submitted,

LIMBACH & LIMBACH L.L.P.

August 22, 2000
(Date)

SONY-T0472
(SOOP0472US00)

By: _____


Charles P. Sammut
Registration No. 28,901
Attorneys for Applicant(s)

CERTIFICATE OF MAILING

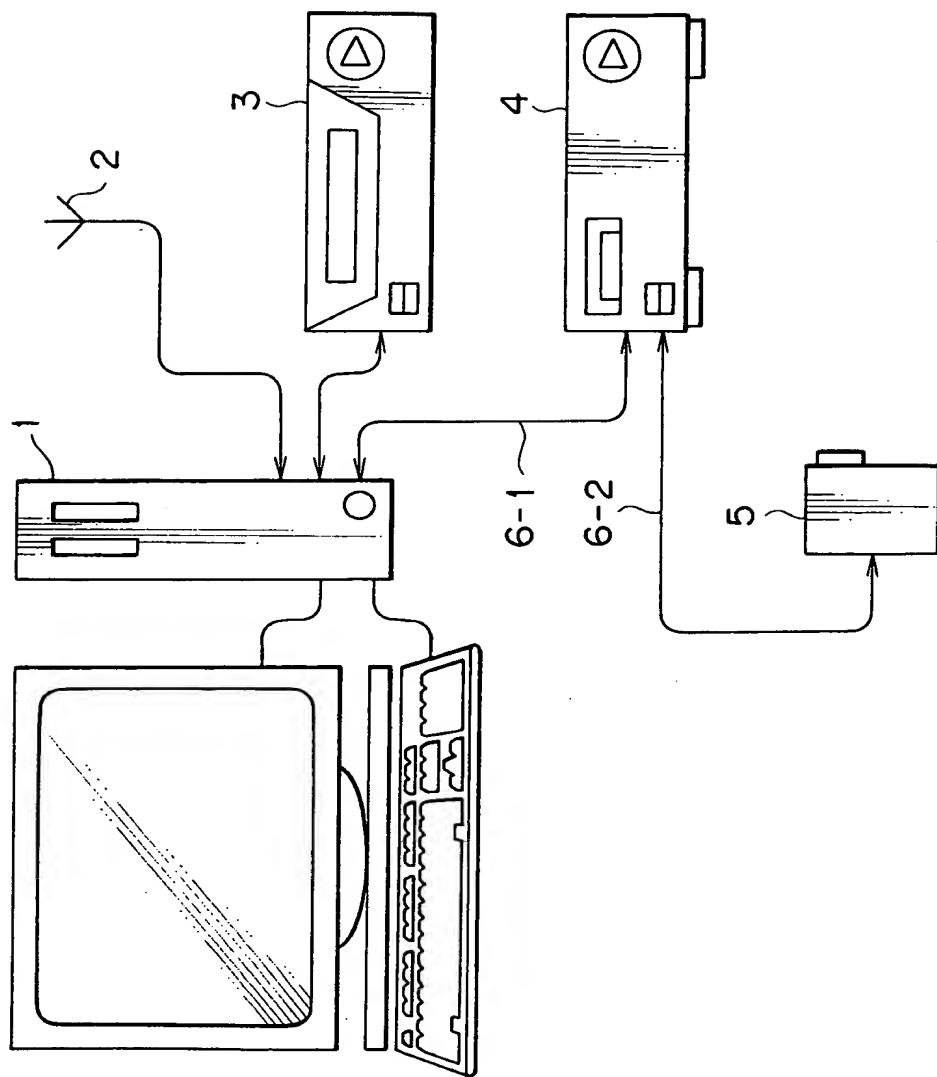
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Attn: Official Draftsman, Assistant Commissioner for Patents, Washington, D.C. 20231, on August 22, 2000.

LIMBACH & LIMBACH L.L.P. Date: August 22, 2000

By: _____
Name: Susan Ozanne

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F | G. 1



F I G. 2

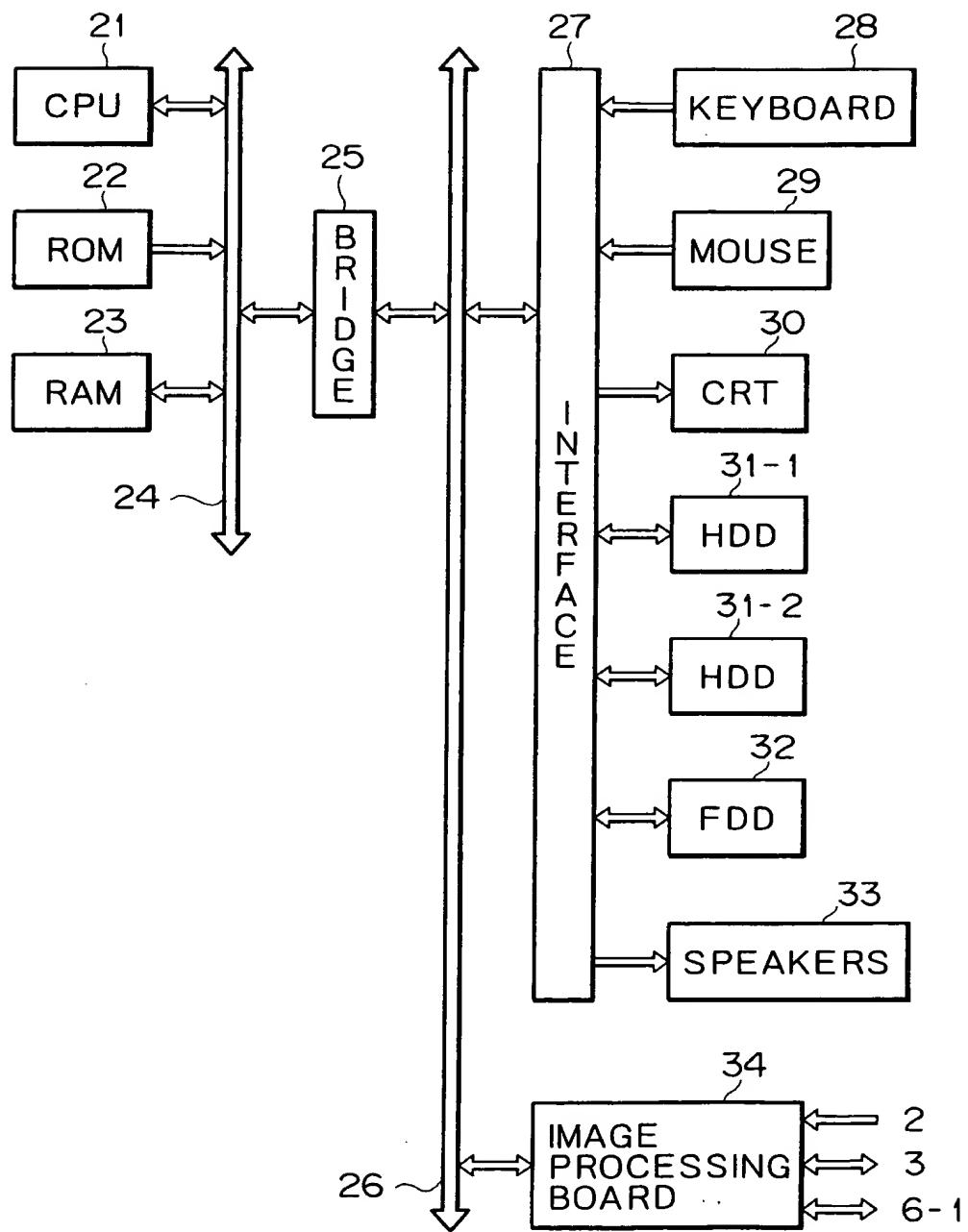


FIG. 3

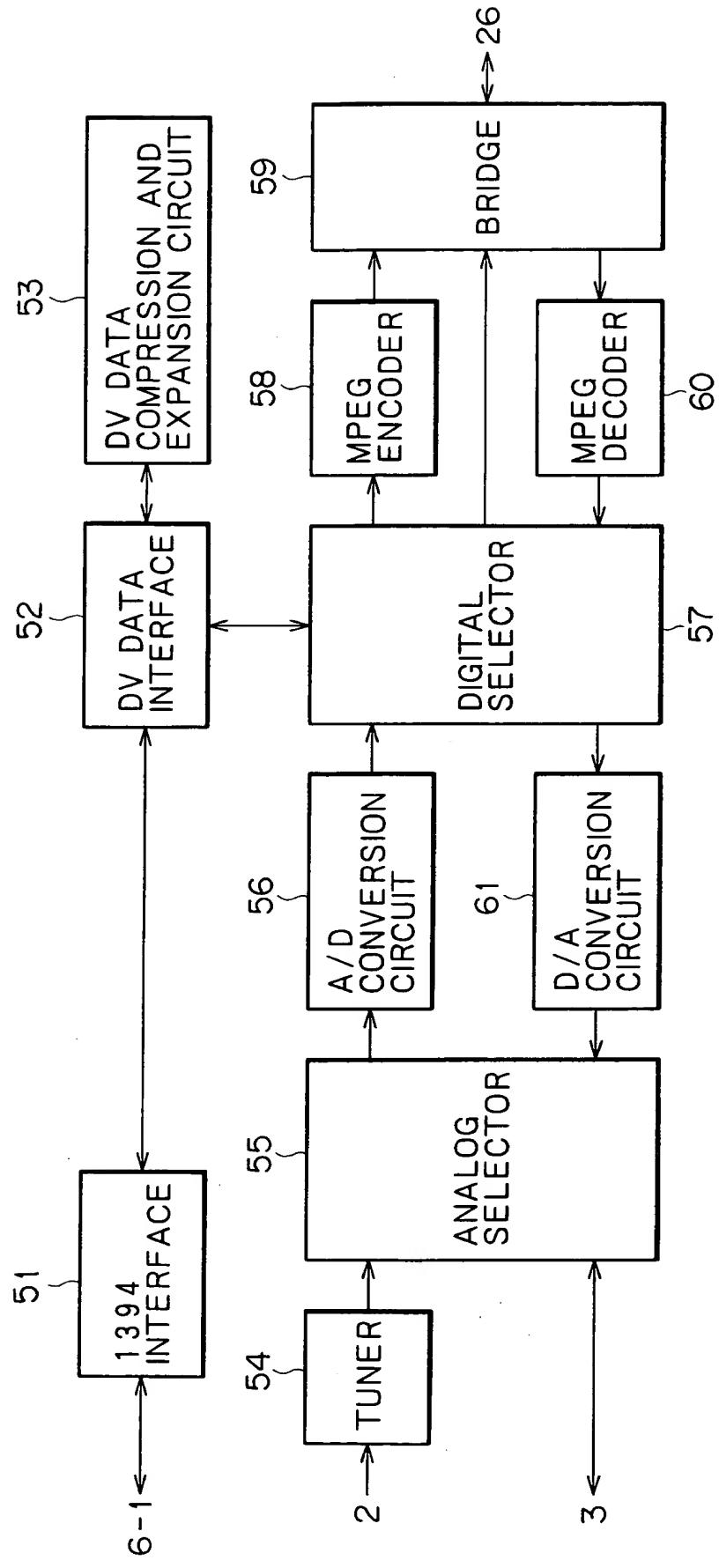


FIG. 4

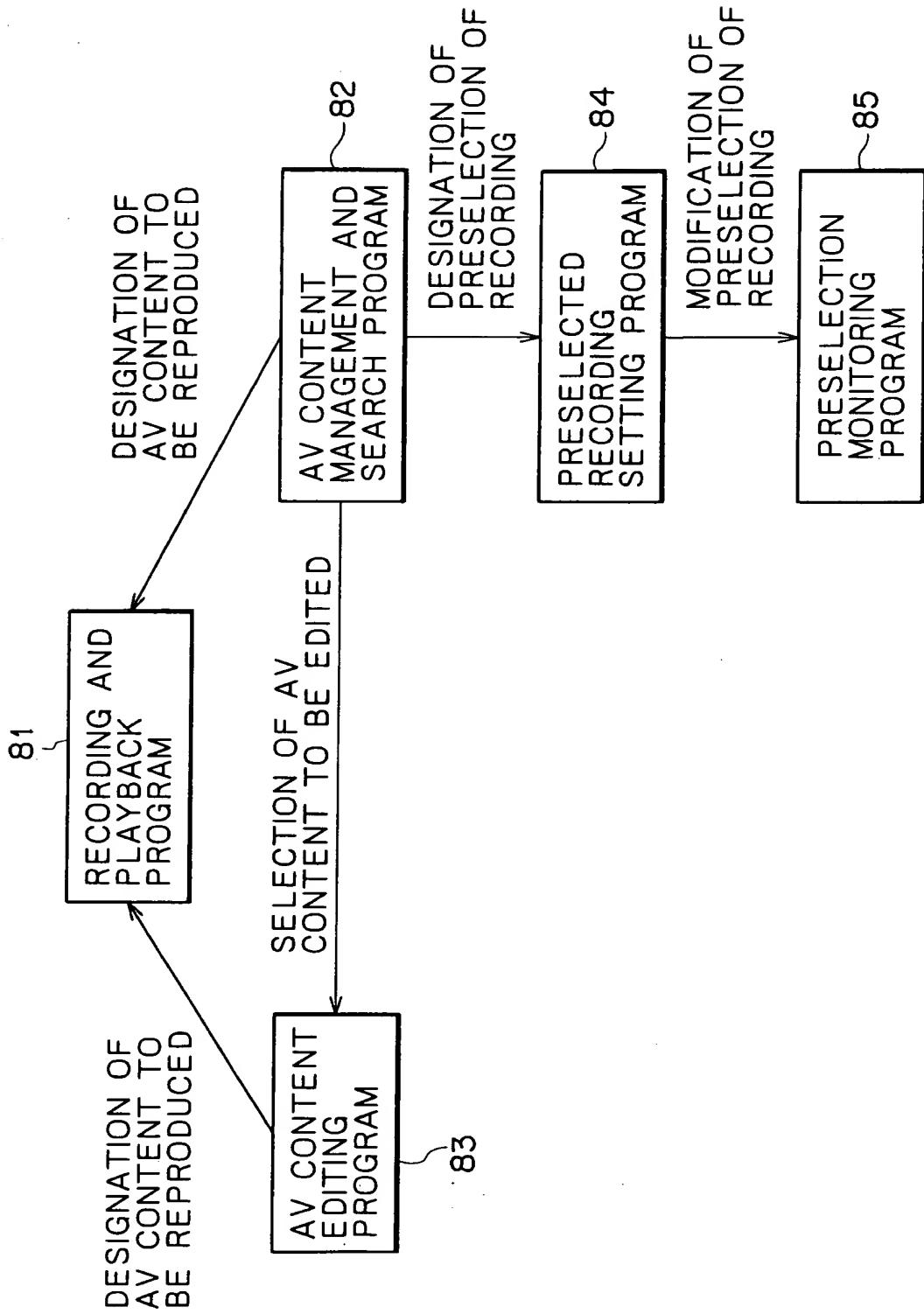
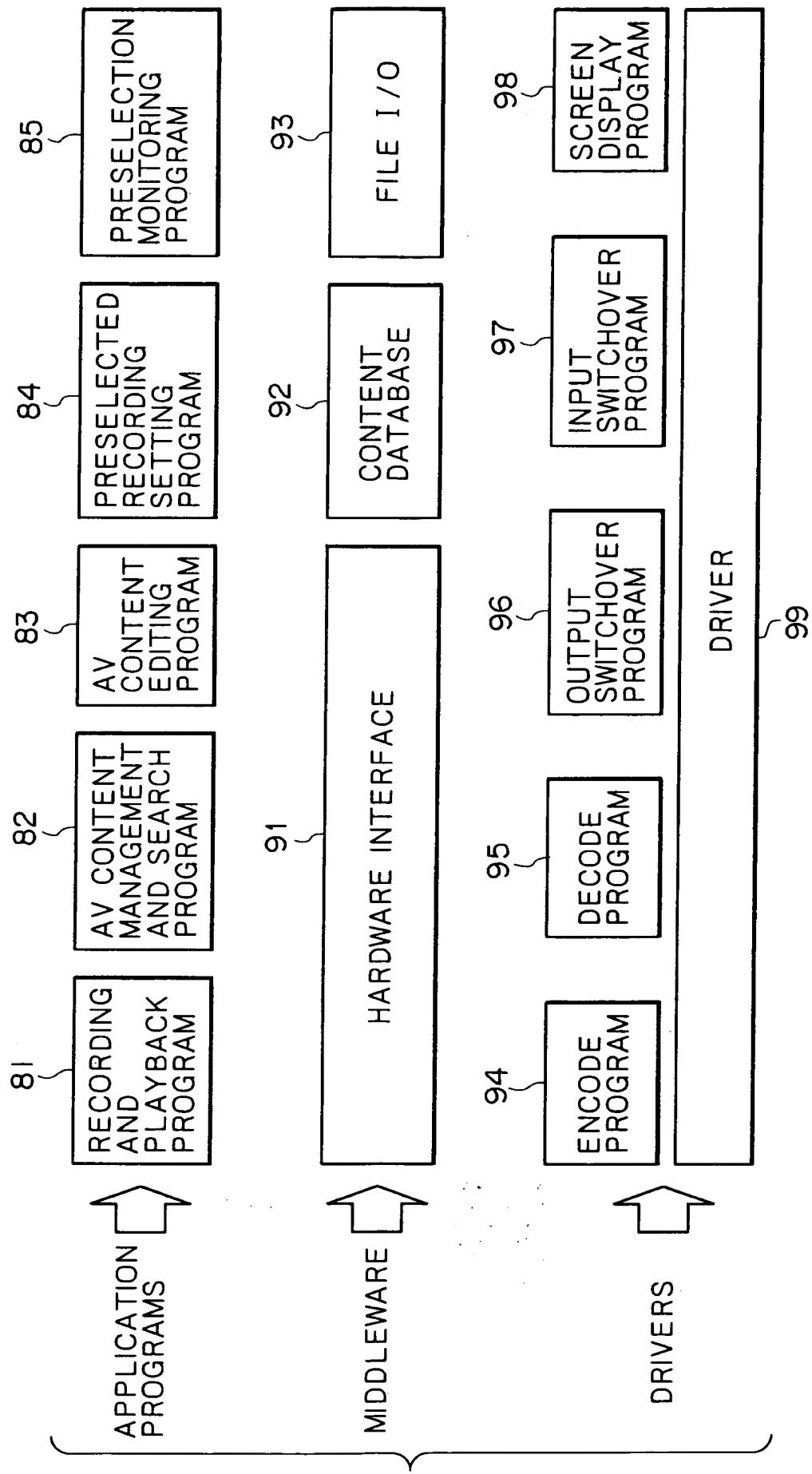
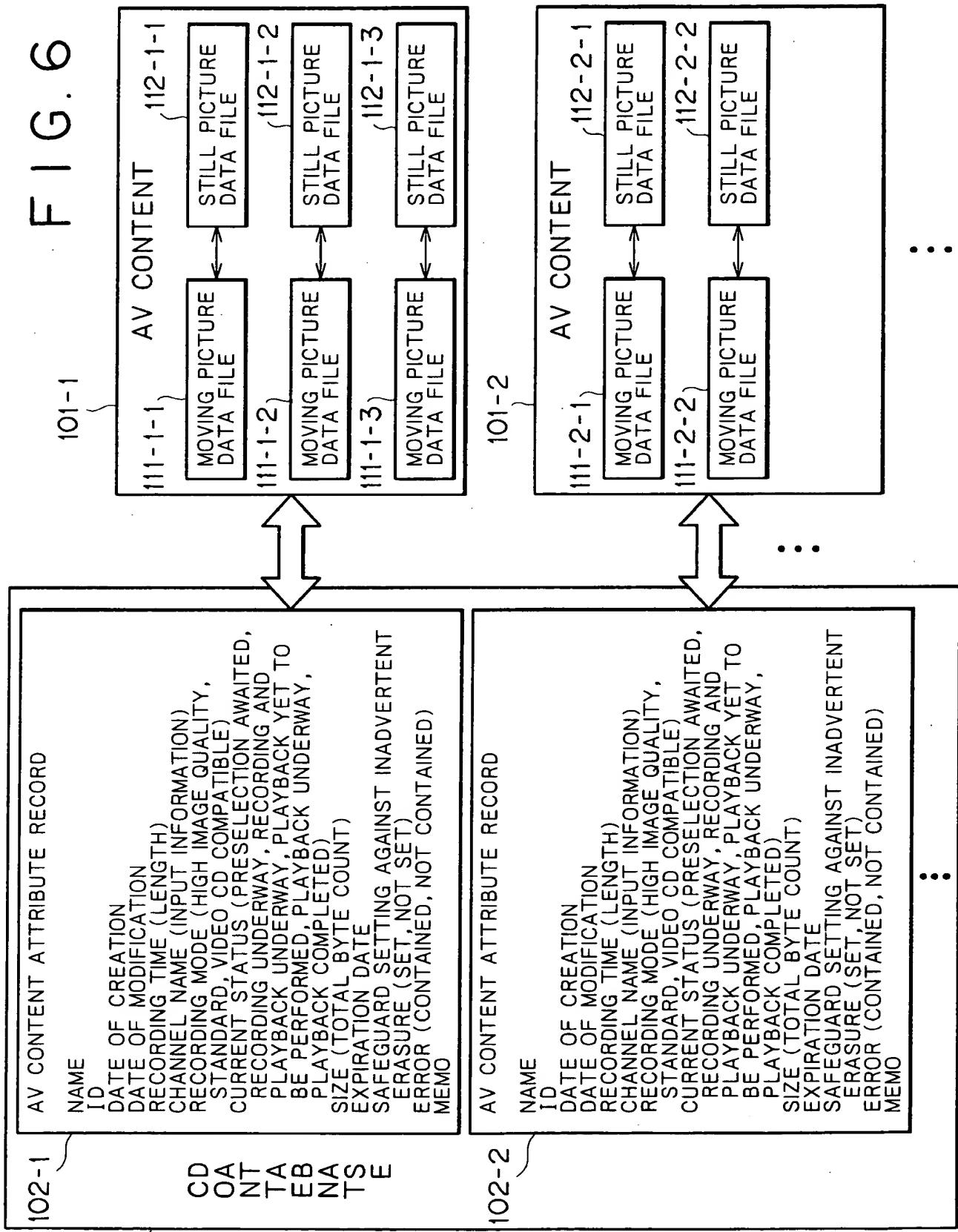


FIG. 5



F I G . 6



F I G . 7

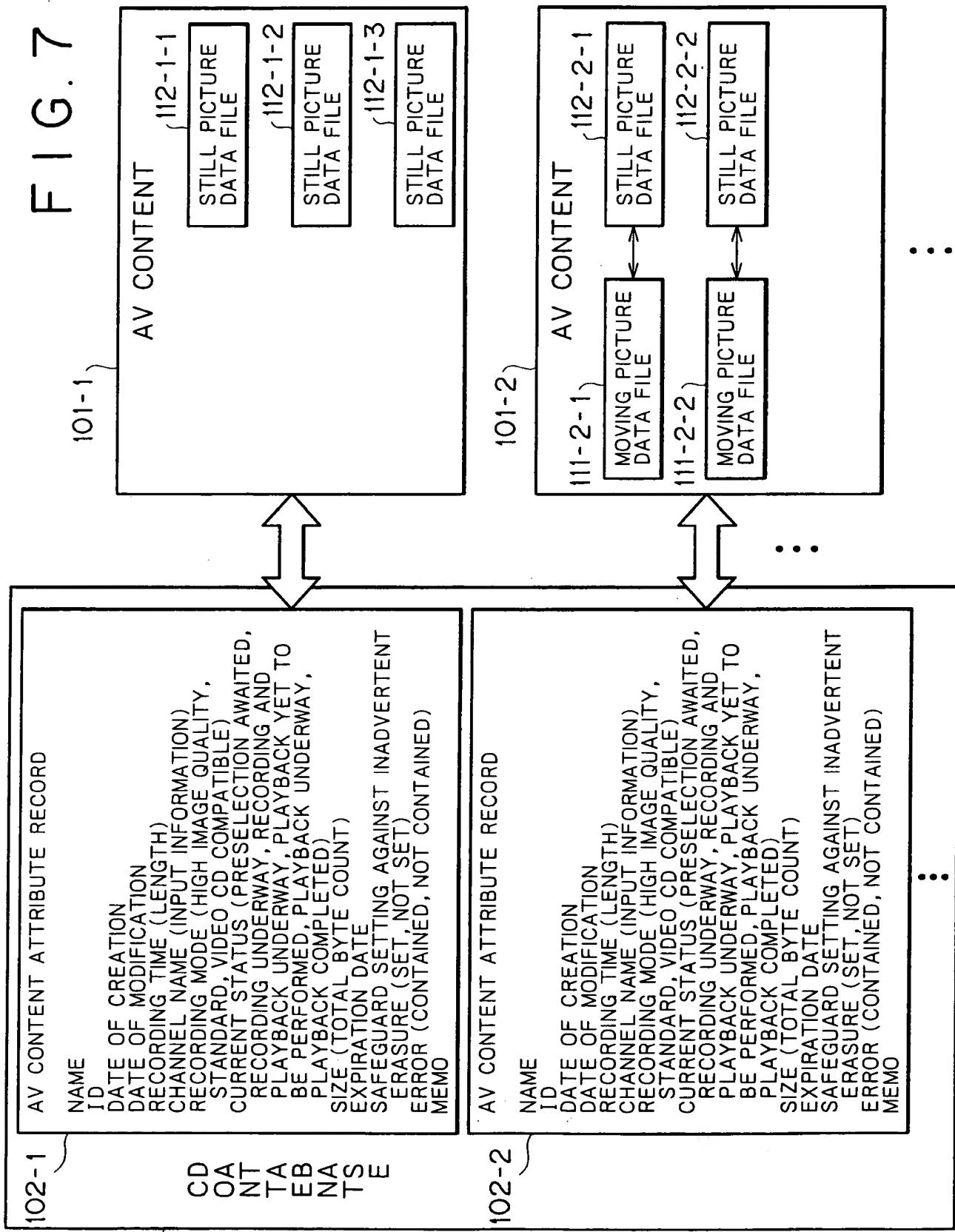


FIG. 8

92

CONTENT DATABASE {132-1}

AV CONTENT ATTRIBUTE RECORD

NAME
 ID
 DATE OF CREATION
 DATE OF MODIFICATION
 RECORDING TIME (LENGTH)
 CURRENT STATUS (PLAYBACK YET TO BE PERFORMED, PLAYBACK UNDERWAY, PLAYBACK COMPLETED)
 SIZE (TOTAL BYTE COUNT)
 EXPIRATION DATE
 SAFEGUARD SETTING AGAINST INADVERTENT ERASURE (SET, NOT SET)
 ERROR (CONTAINED, NOT CONTAINED)
 MEMO

132-2

AV CONTENT ATTRIBUTE RECORD

NAME
 ID
 DATE OF CREATION
 DATE OF MODIFICATION
 RECORDING TIME (LENGTH)
 CURRENT STATUS (PLAYBACK YET TO BE PERFORMED, PLAYBACK UNDERWAY, PLAYBACK COMPLETED)
 SIZE (TOTAL BYTE COUNT)
 EXPIRATION DATE
 SAFEGUARD SETTING AGAINST INADVERTENT ERASURE (SET, NOT SET)
 ERROR (CONTAINED, NOT CONTAINED)
 MEMO

121-1

AV CONTENT

131-1
EDITED DATA FILE

ID OF AV CONTENT "a", PLAYBACK STARTING POSITION OF AV CONTENT "a"
 ID OF AV CONTENT "a", PLAYBACK ENDING POSITION OF AV CONTENT "a"
 ID OF AV CONTENT "b", PLAYBACK STARTING POSITION OF AV CONTENT "b"
 ID OF AV CONTENT "b", PLAYBACK ENDING POSITION OF AV CONTENT "b"
 ID OF AV CONTENT "c", PLAYBACK STARTING POSITION OF AV CONTENT "c"
 ID OF AV CONTENT "c", PLAYBACK ENDING POSITION OF AV CONTENT "c"
 ID OF AV CONTENT "d", PLAYBACK STARTING POSITION OF AV CONTENT "d"
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121-2

AV CONTENT

131-2
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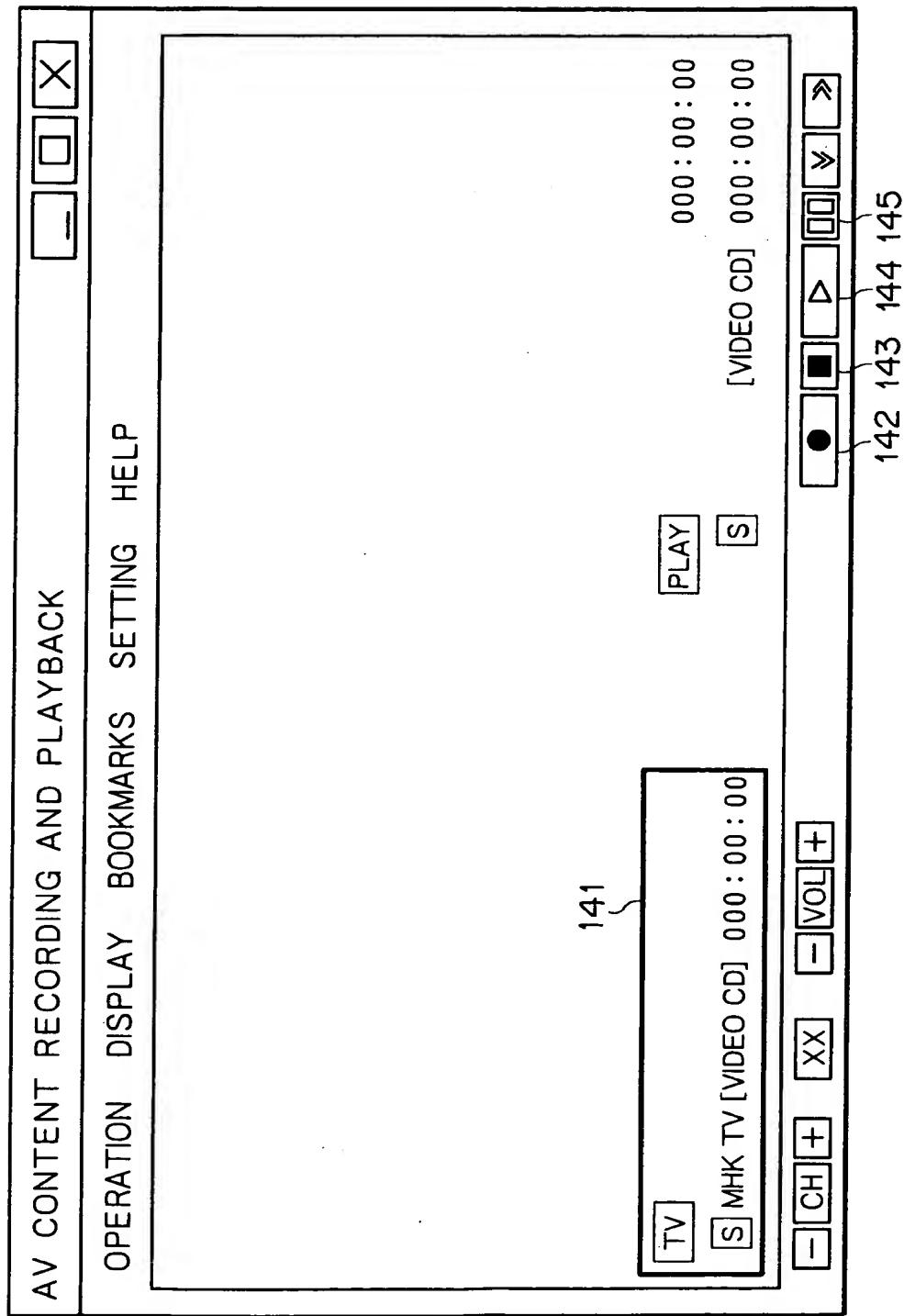
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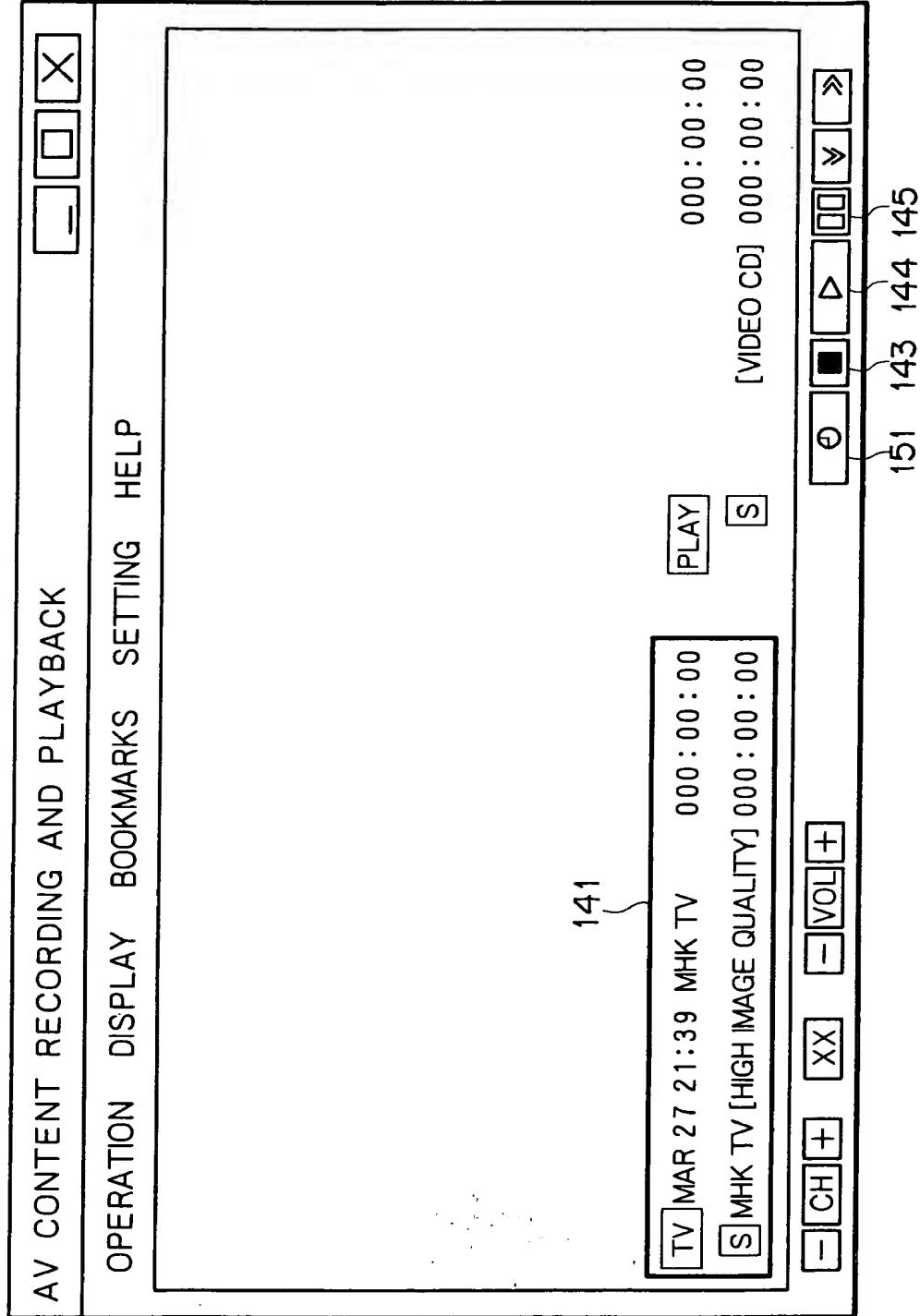
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:::

FIG. 9



F | G. 10



F | G. 11A

MAXIMUM
RECORDABLE → 30 MIN. → 1 HR. → 1 HR. 30 MIN. → 2 HR. → 2 HR. 30 MIN. → 3 HR.
TIME

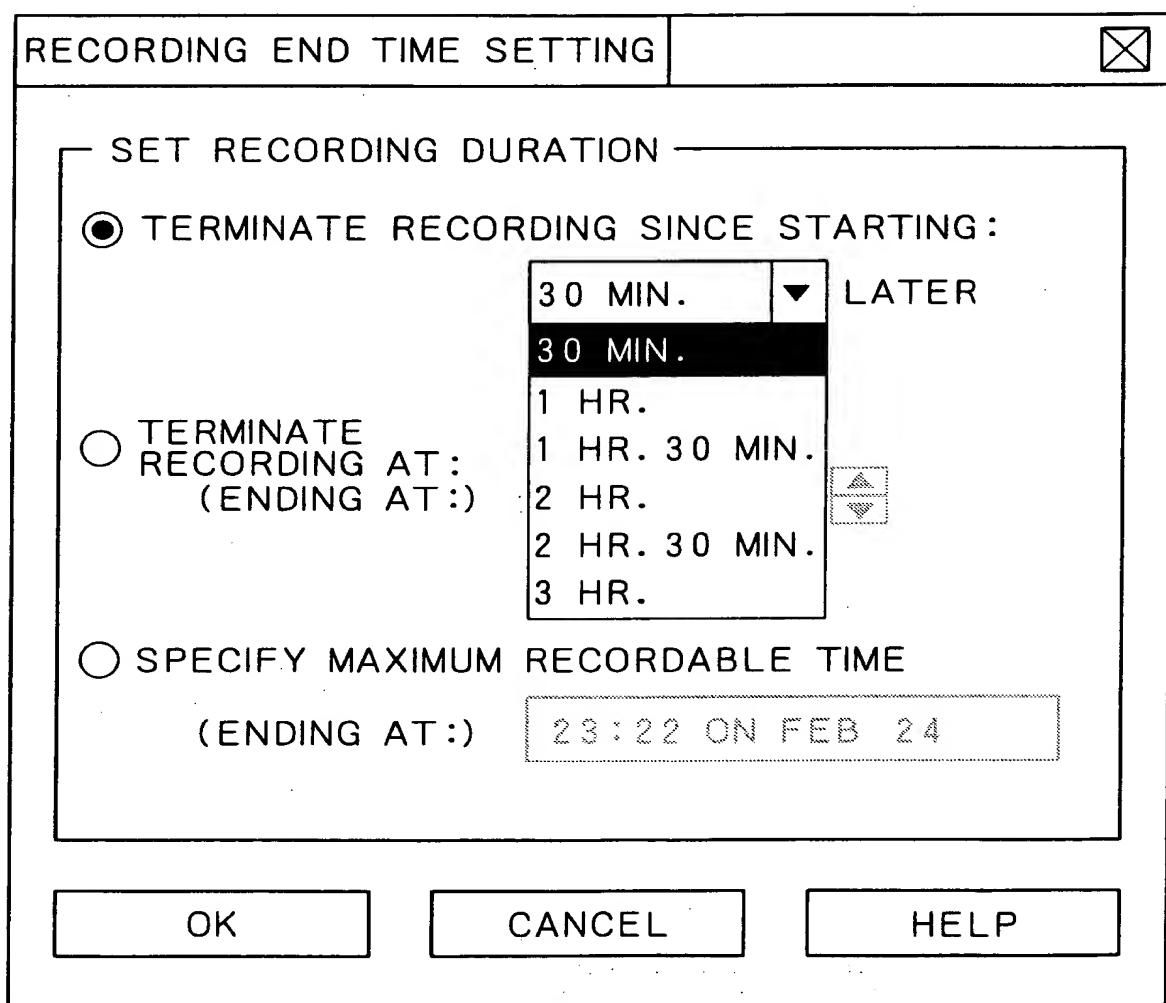
F | G. 11B

MAXIMUM
RECORDABLE → 1 HR. → 1 HR. 30 MIN. → 2 HR. → 2 HR. 30 MIN. → 3 HR.
TIME

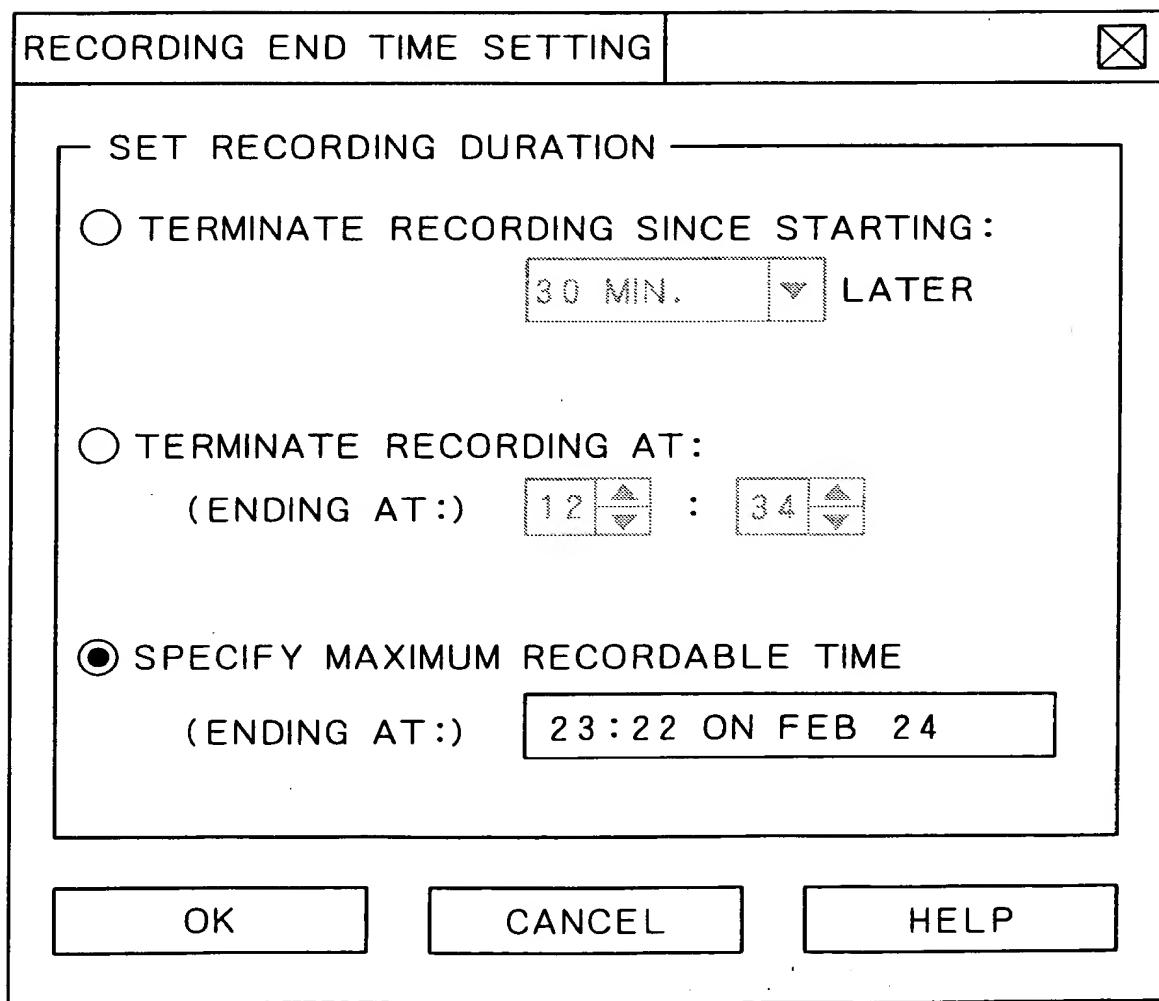
F | G. 11C

MAXIMUM
RECORDABLE → 2 HR. → 2 HR. 30 MIN. → 3 HR.
TIME

F I G.12



F I G.13



F | G. 14

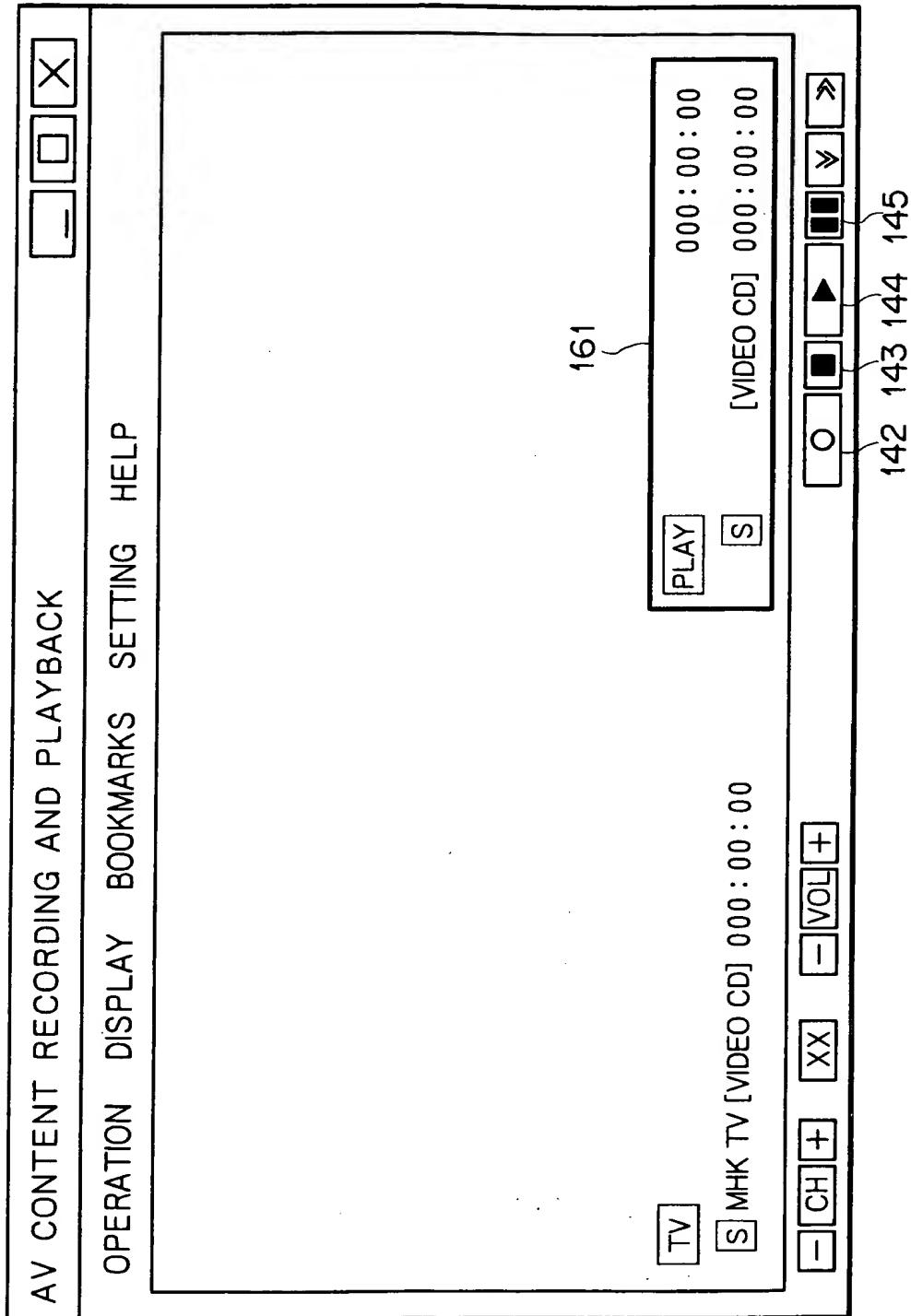


FIG. 15

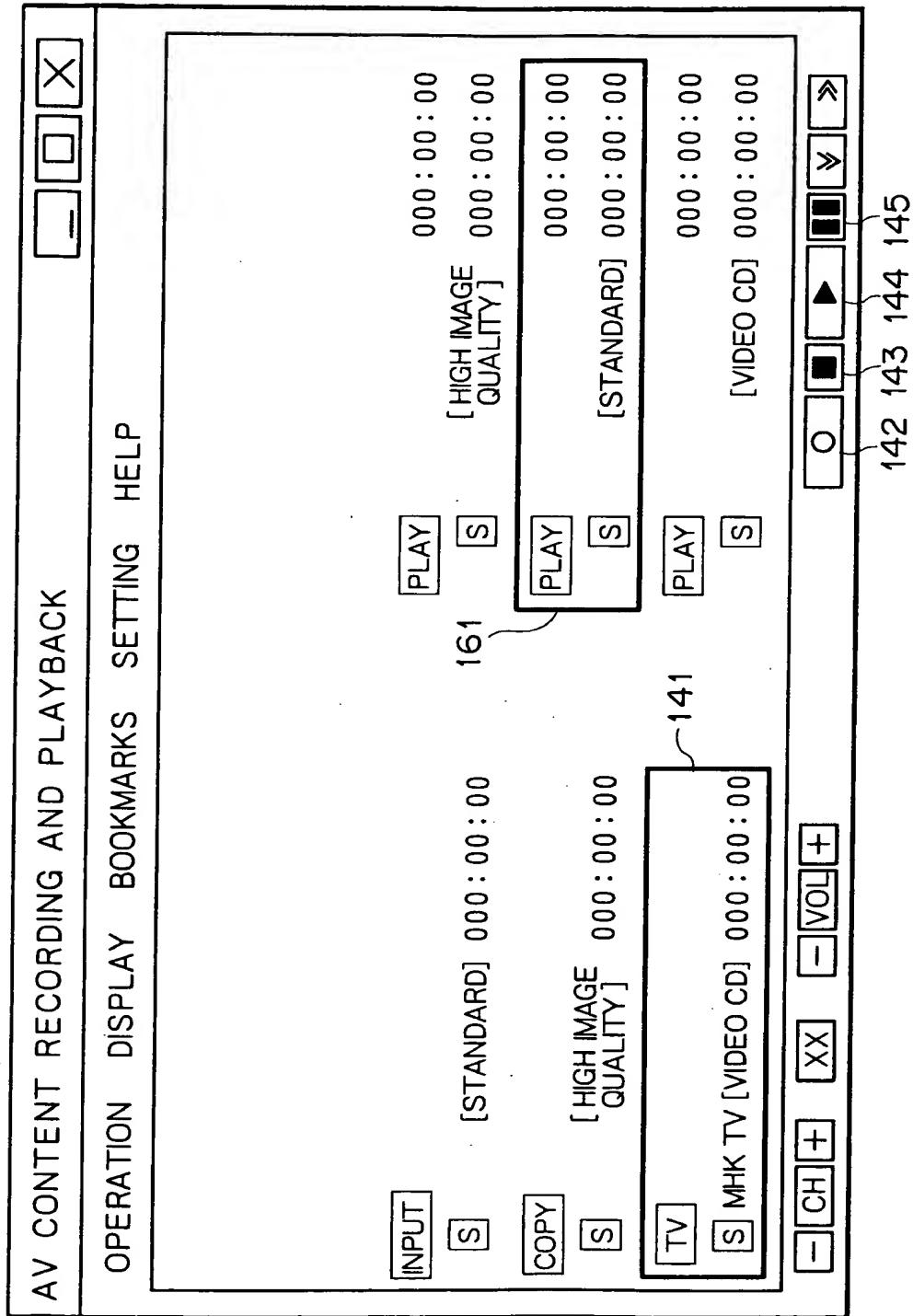


FIG. 16

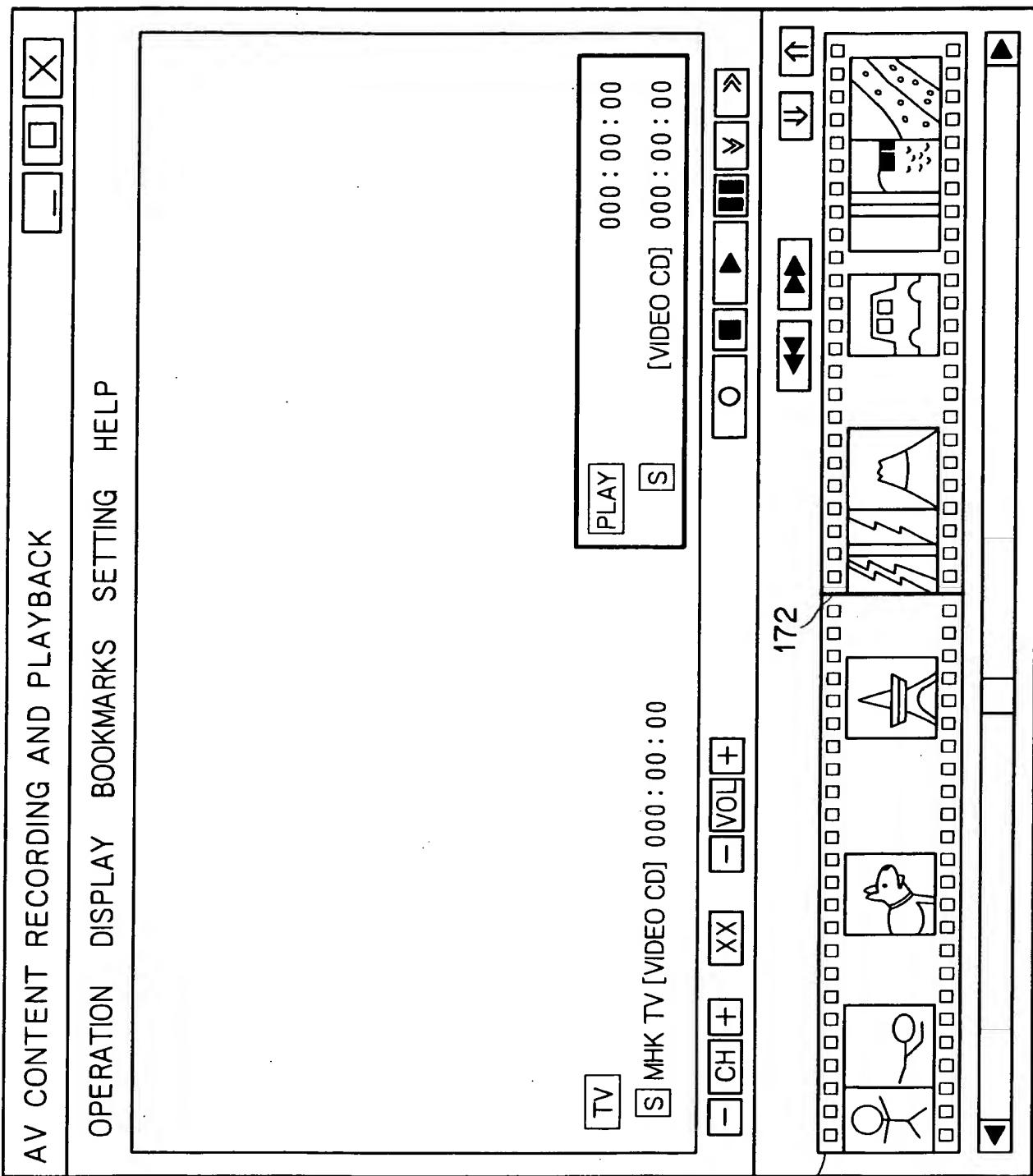
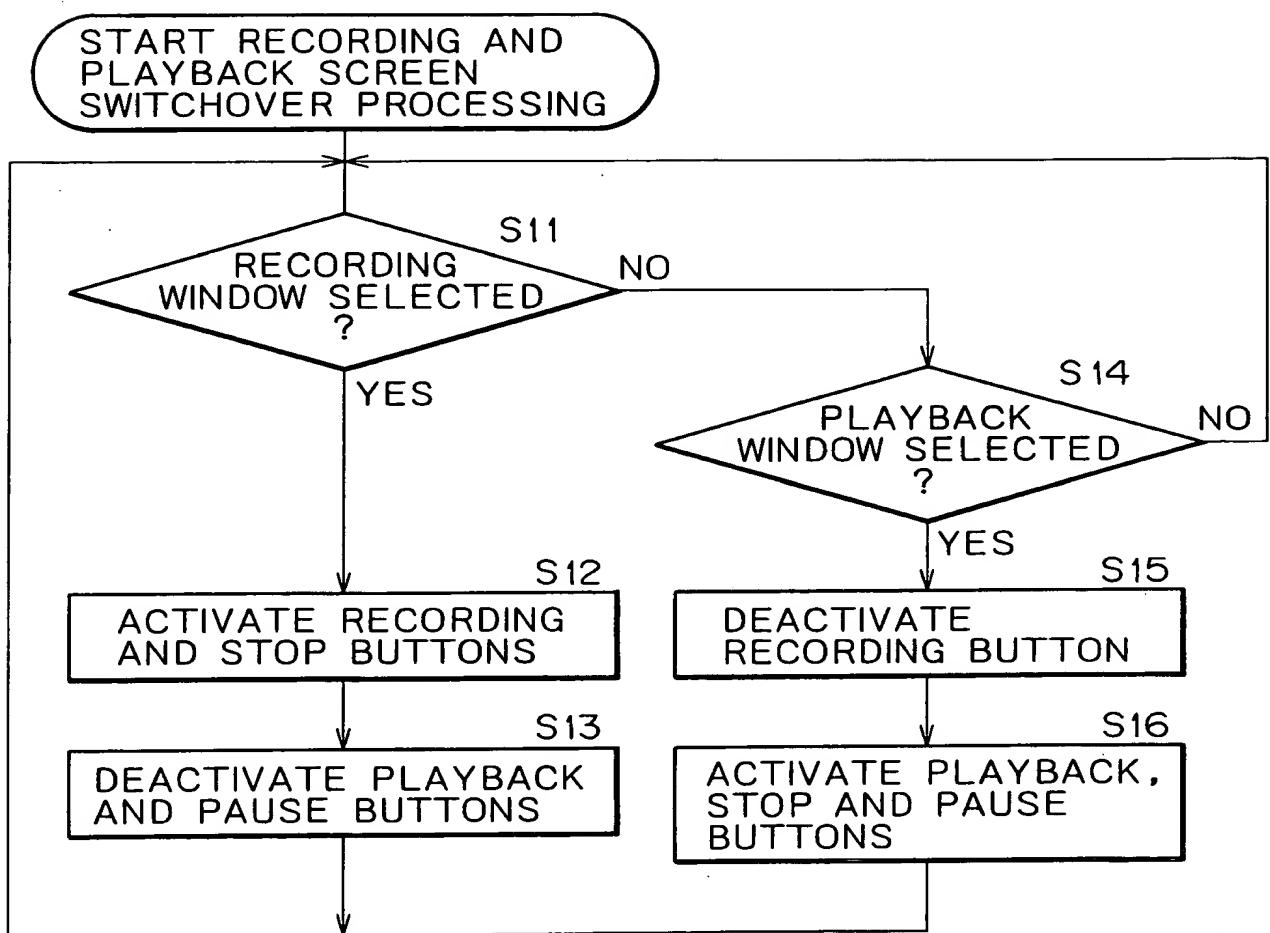


FIG. 18



F I G. 19

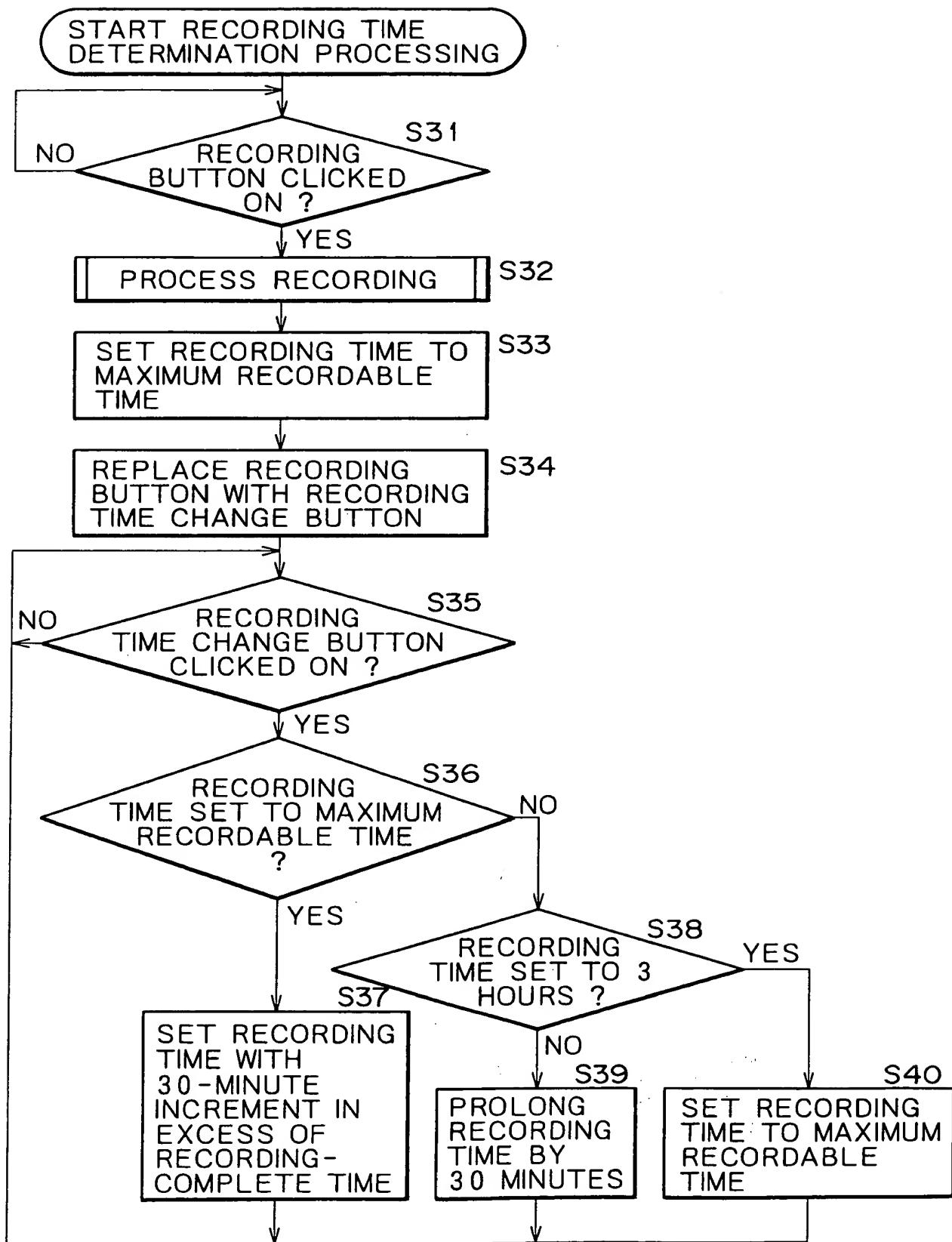
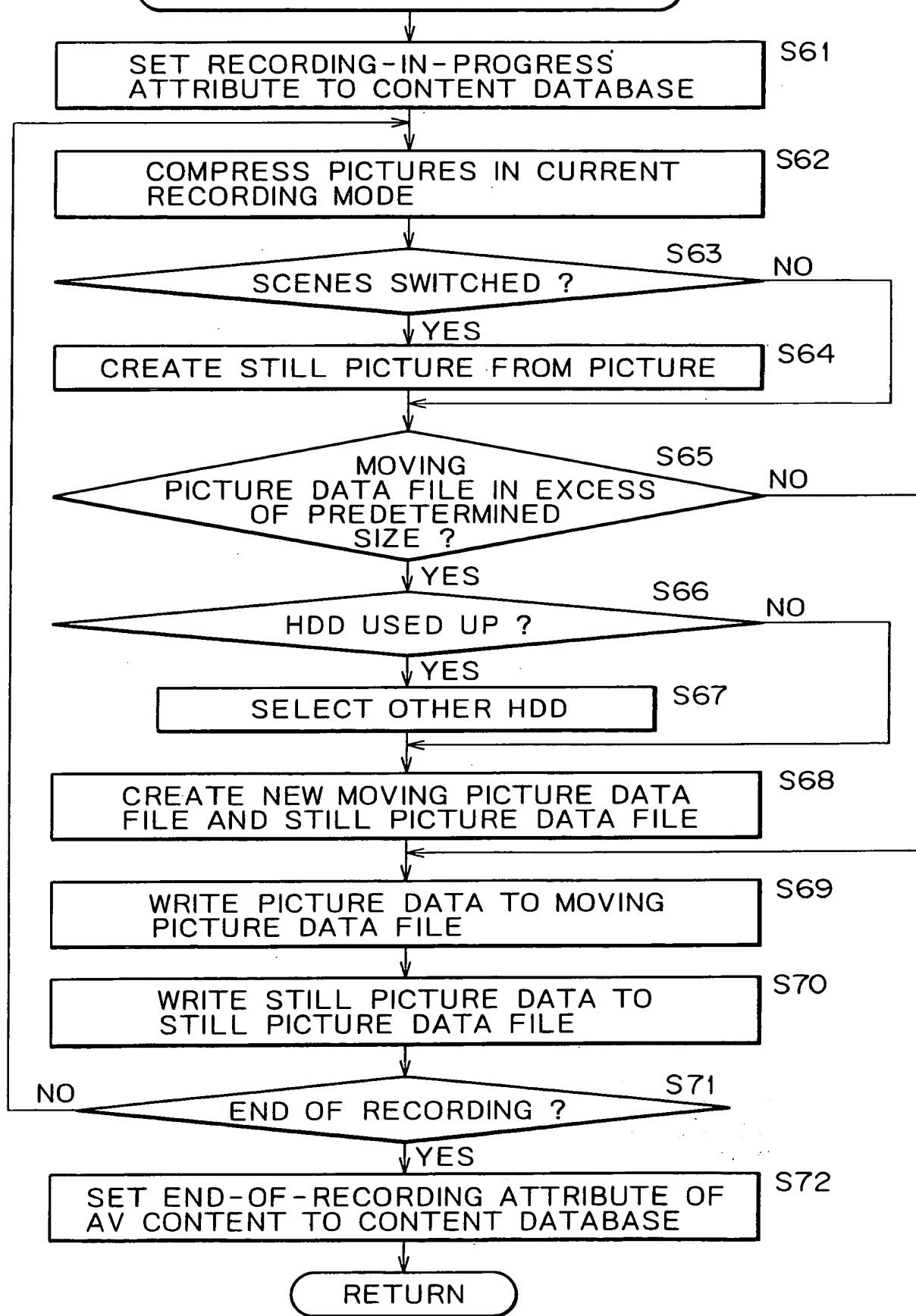
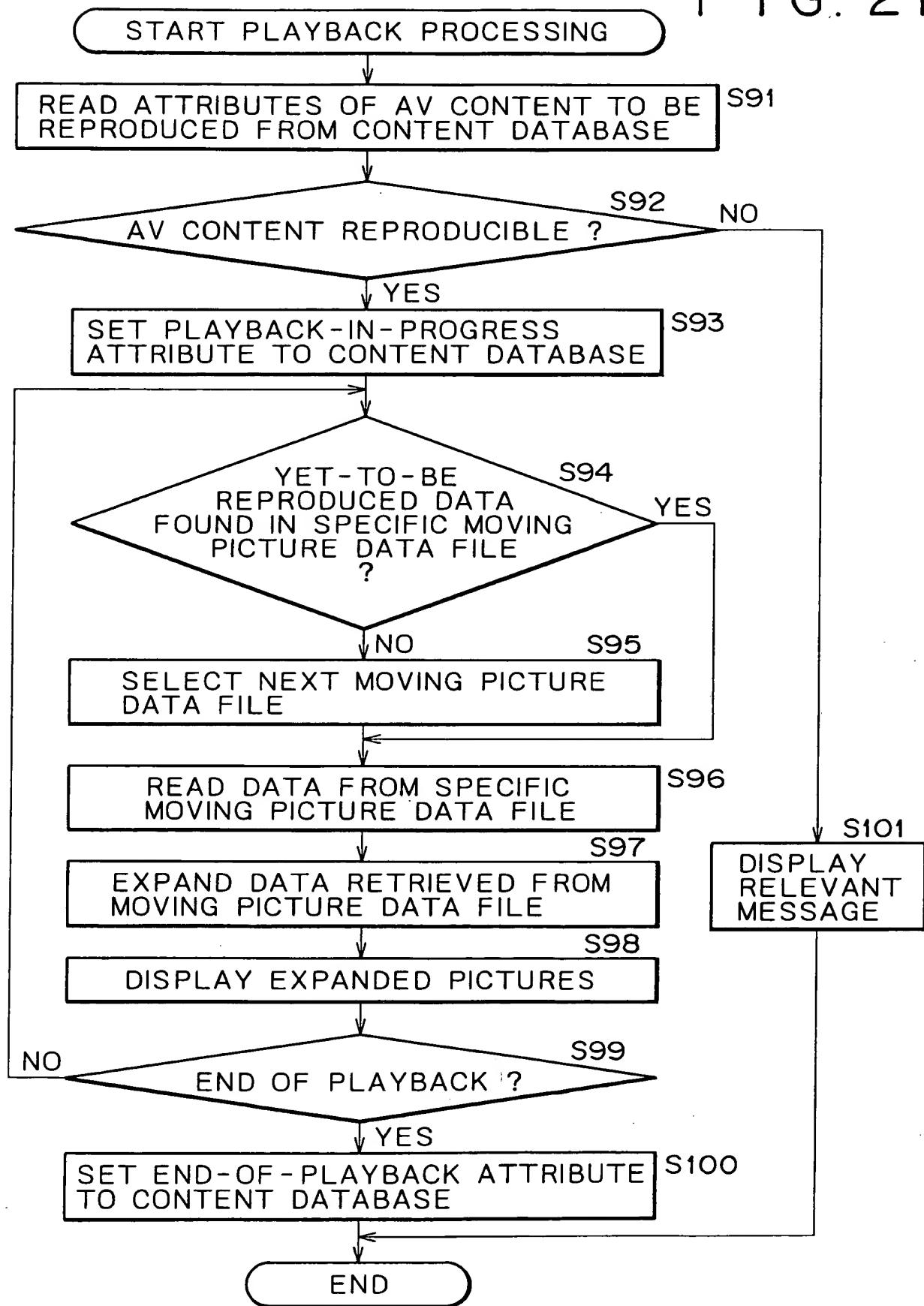


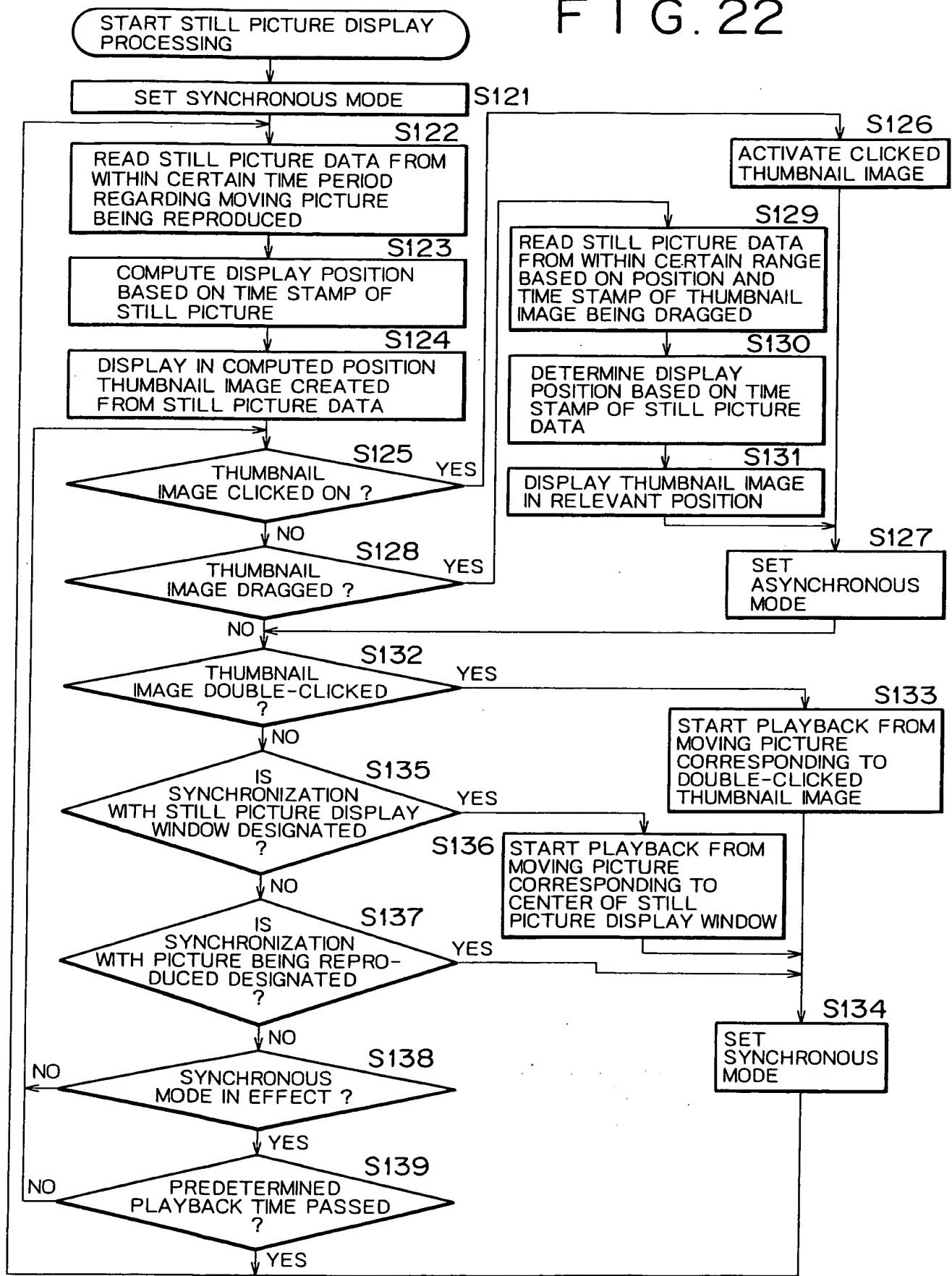
FIG. 20



F I G . 21



F I G. 22



F | G. 23

AV CONTENT MANAGEMENT AND SEARCH

204

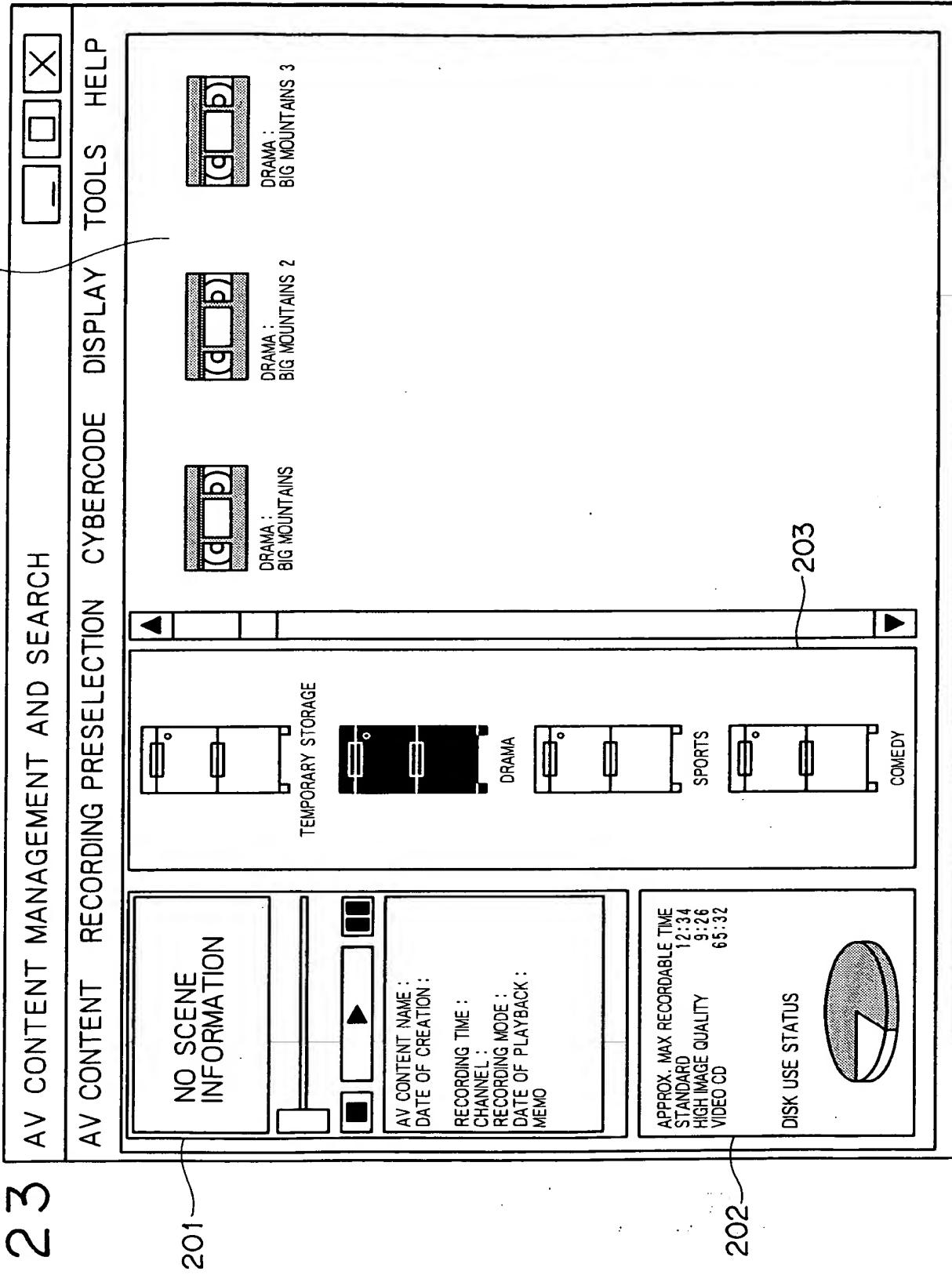
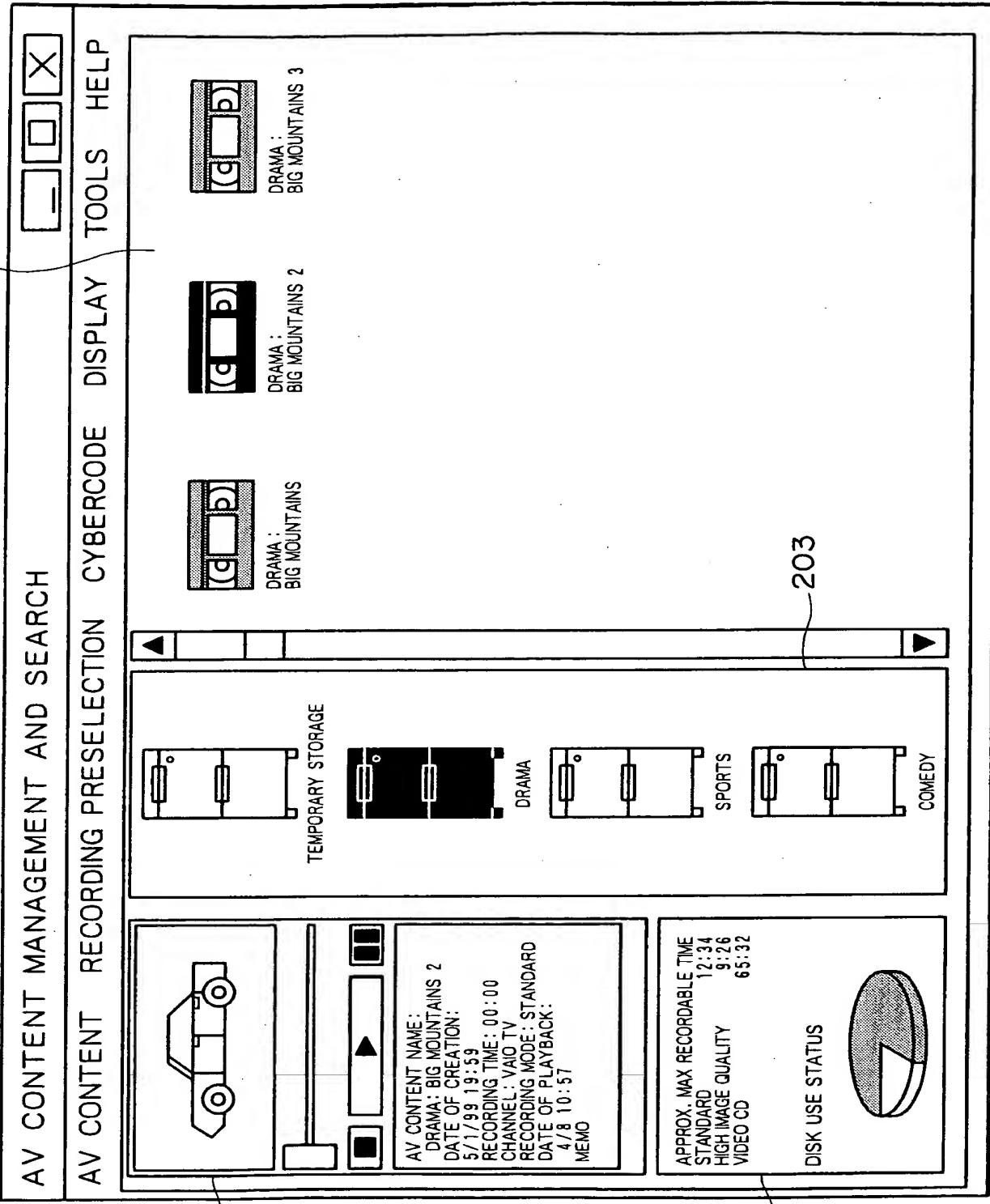


FIG. 24

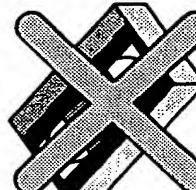
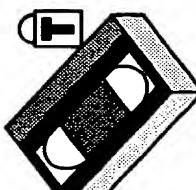
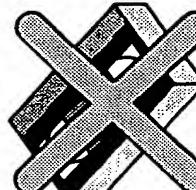
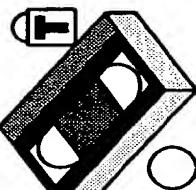
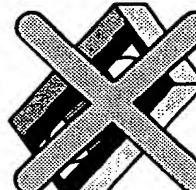
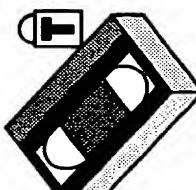
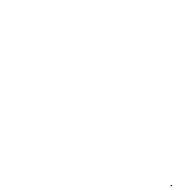
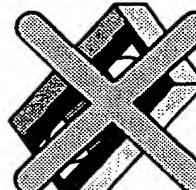
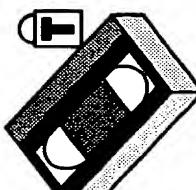
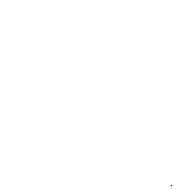
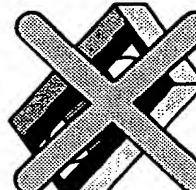
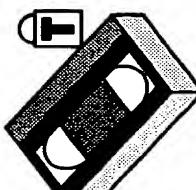
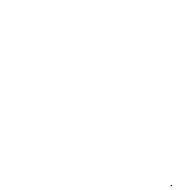
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203

202

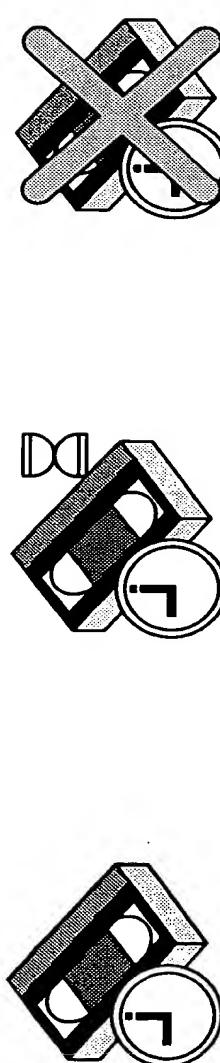
201

F G. 25A	F G. 25B	F G. 25C	F G. 25D
			
F G. 25E	F G. 25F	F G. 25G	
			
F G. 25H	F G. 25I	F G. 25J	
			
F G. 25K	F G. 25L	F G. 25M	
			

F I G. 26A F I G. 26B F I G. 26C



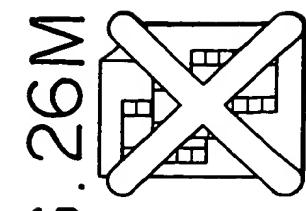
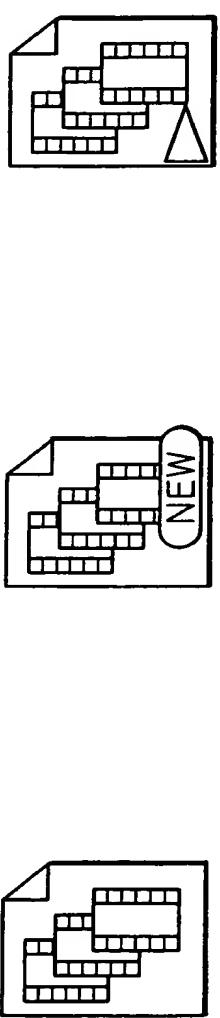
F I G. 26D F I G. 26E F I G. 26F



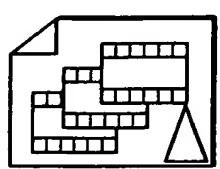
F I G. 26G F I G. 26H F I G. 26I



F I G. 26J F I G. 26K F I G. 26L

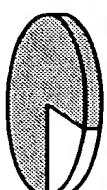


F I G. 26M



F I G. 26M

FIG. 27

AV CONTENT MANAGEMENT AND SEARCH																																																																					
AV CONTENT	RECORDING PRESELECTION	CYBERCODE	DISPLAY	TOOLS	HELP																																																																
<table border="1"> <thead> <tr> <th>AV CONTENT NAME</th> <th>DATE OF CREATION</th> <th>STATUS</th> <th>LIBRARY NAME</th> <th>RECORDING TIME</th> <th>CHANNEL</th> <th></th> </tr> </thead> <tbody> <tr> <td>COMMERCIAL 1</td> <td>5/1/1999</td> <td>PLAYBACK COMPLETED</td> <td>CM COLLECTION</td> <td>0:09:00</td> <td>YUHI TV</td> <td></td> </tr> <tr> <td>COMMERCIAL 2</td> <td>5/1/1999</td> <td>PLAYBACK COMPLETED</td> <td>CM COLLECTION</td> <td>0:04:00</td> <td>KAKUJITSU TV</td> <td></td> </tr> <tr> <td>COMMERCIAL 3</td> <td>5/1/1999</td> <td>PLAYBACK COMPLETED</td> <td>CM COLLECTION</td> <td>0:05:00</td> <td>TAKA TV</td> <td></td> </tr> <tr> <td>DRAMA : BIG MOUNTAINS 1</td> <td>8/1/1999</td> <td>PLAYBACK UNDERWAY</td> <td>DRAMA</td> <td>0:15:00</td> <td>MGJ TV</td> <td></td> </tr> <tr> <td>DRAMA : BIG MOUNTAINS 2</td> <td>8/8/1999</td> <td>PLAYBACK COMPLETED</td> <td>DRAMA</td> <td>0:45:00</td> <td>MGJ TV</td> <td></td> </tr> <tr> <td>LOCAL NEWS 1</td> <td>7/15/1999</td> <td>PLAYBACK COMPLETED</td> <td>NEWS</td> <td>0:30:00</td> <td>DNA</td> <td></td> </tr> <tr> <td>LOCAL NEWS 2</td> <td>7/16/1999</td> <td>PLAYBACK COMPLETED</td> <td>NEWS</td> <td>0:30:00</td> <td>DNA</td> <td></td> </tr> <tr> <td colspan="7" style="text-align: center;">...</td> </tr> </tbody> </table>							AV CONTENT NAME	DATE OF CREATION	STATUS	LIBRARY NAME	RECORDING TIME	CHANNEL		COMMERCIAL 1	5/1/1999	PLAYBACK COMPLETED	CM COLLECTION	0:09:00	YUHI TV		COMMERCIAL 2	5/1/1999	PLAYBACK COMPLETED	CM COLLECTION	0:04:00	KAKUJITSU TV		COMMERCIAL 3	5/1/1999	PLAYBACK COMPLETED	CM COLLECTION	0:05:00	TAKA TV		DRAMA : BIG MOUNTAINS 1	8/1/1999	PLAYBACK UNDERWAY	DRAMA	0:15:00	MGJ TV		DRAMA : BIG MOUNTAINS 2	8/8/1999	PLAYBACK COMPLETED	DRAMA	0:45:00	MGJ TV		LOCAL NEWS 1	7/15/1999	PLAYBACK COMPLETED	NEWS	0:30:00	DNA		LOCAL NEWS 2	7/16/1999	PLAYBACK COMPLETED	NEWS	0:30:00	DNA		...						
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<p>DISK USE STATUS</p> 																																																																					

201

251

202

FIG. 28

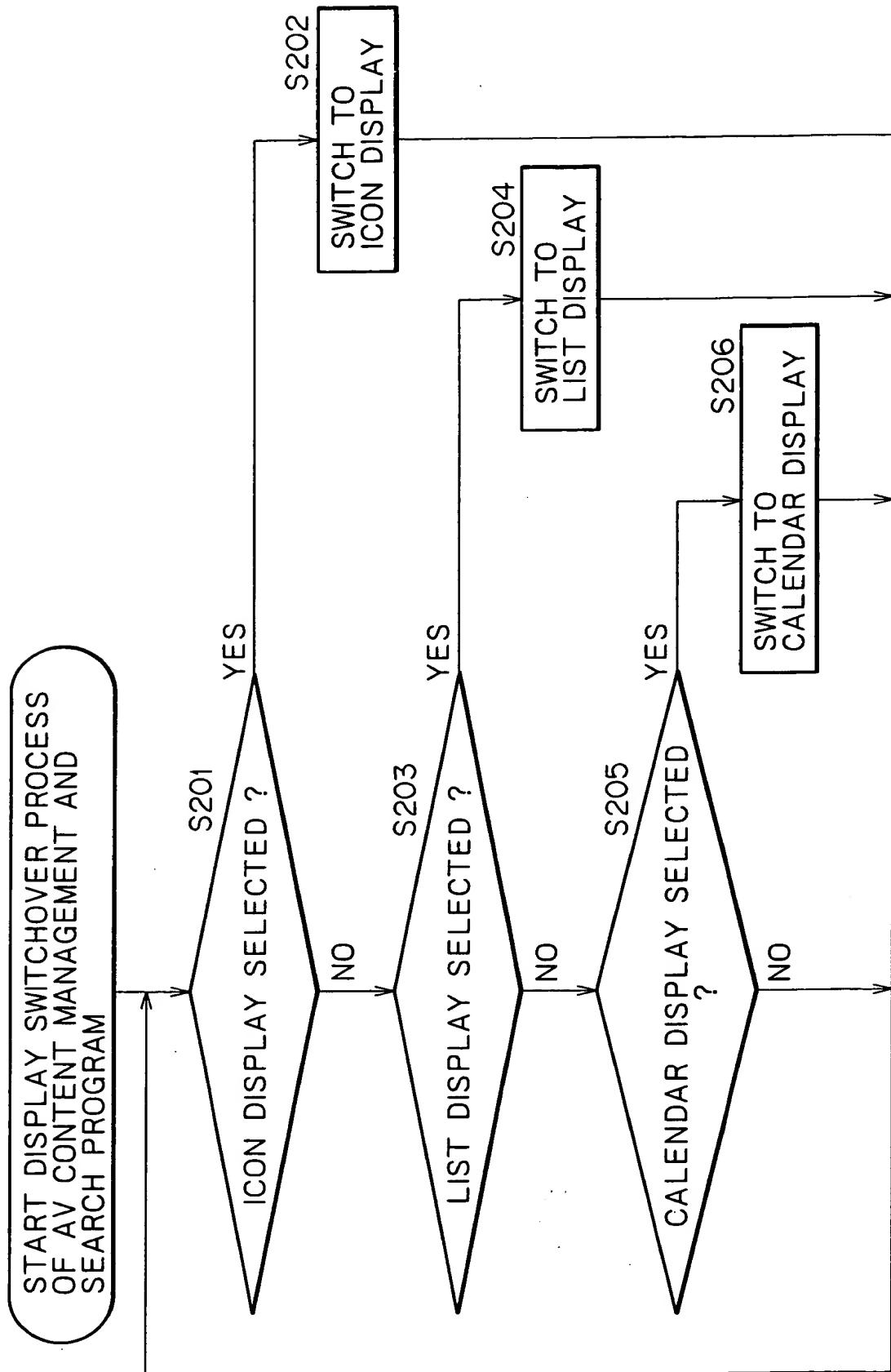
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DISK USE STATUS																																																														

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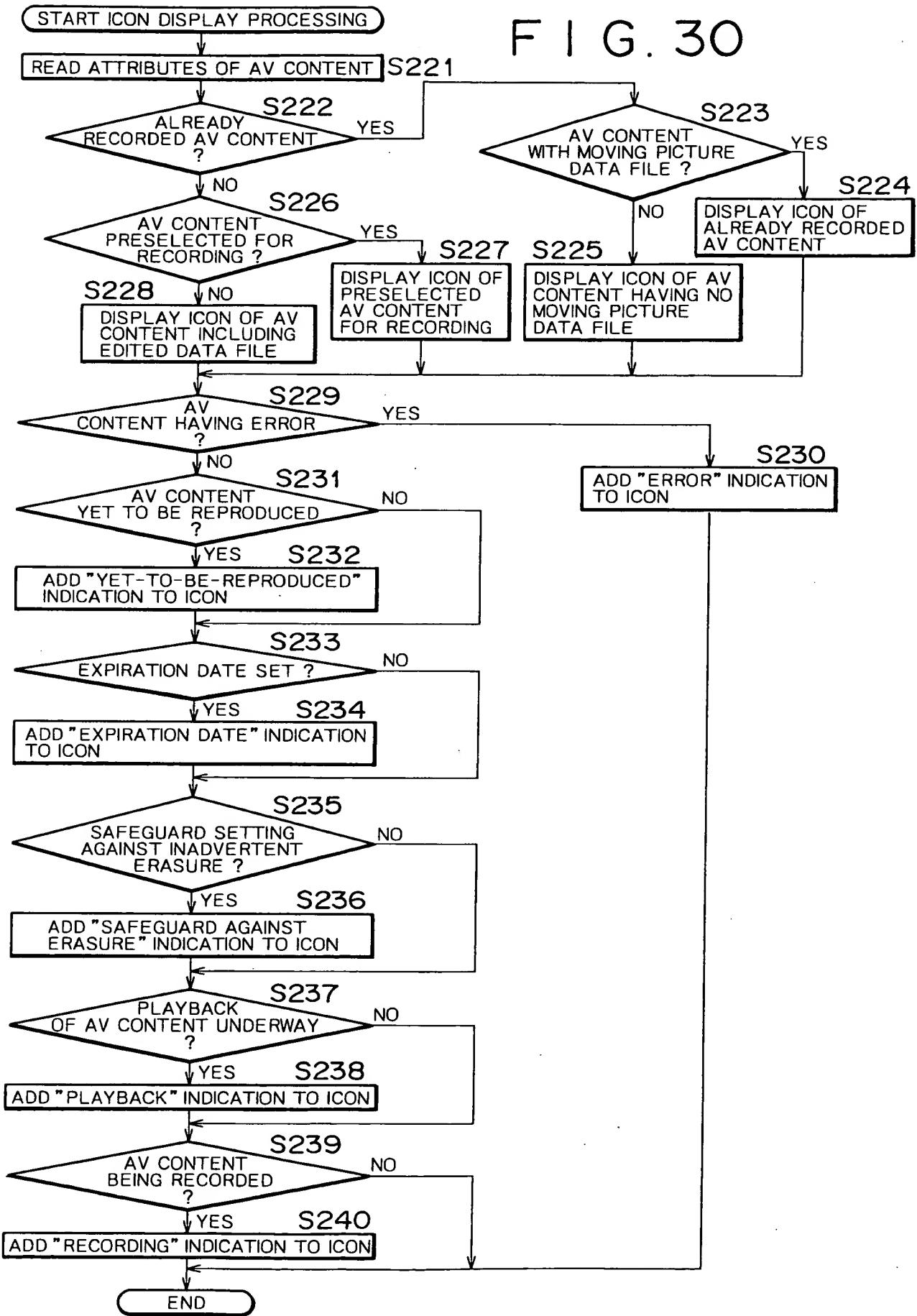
202

261

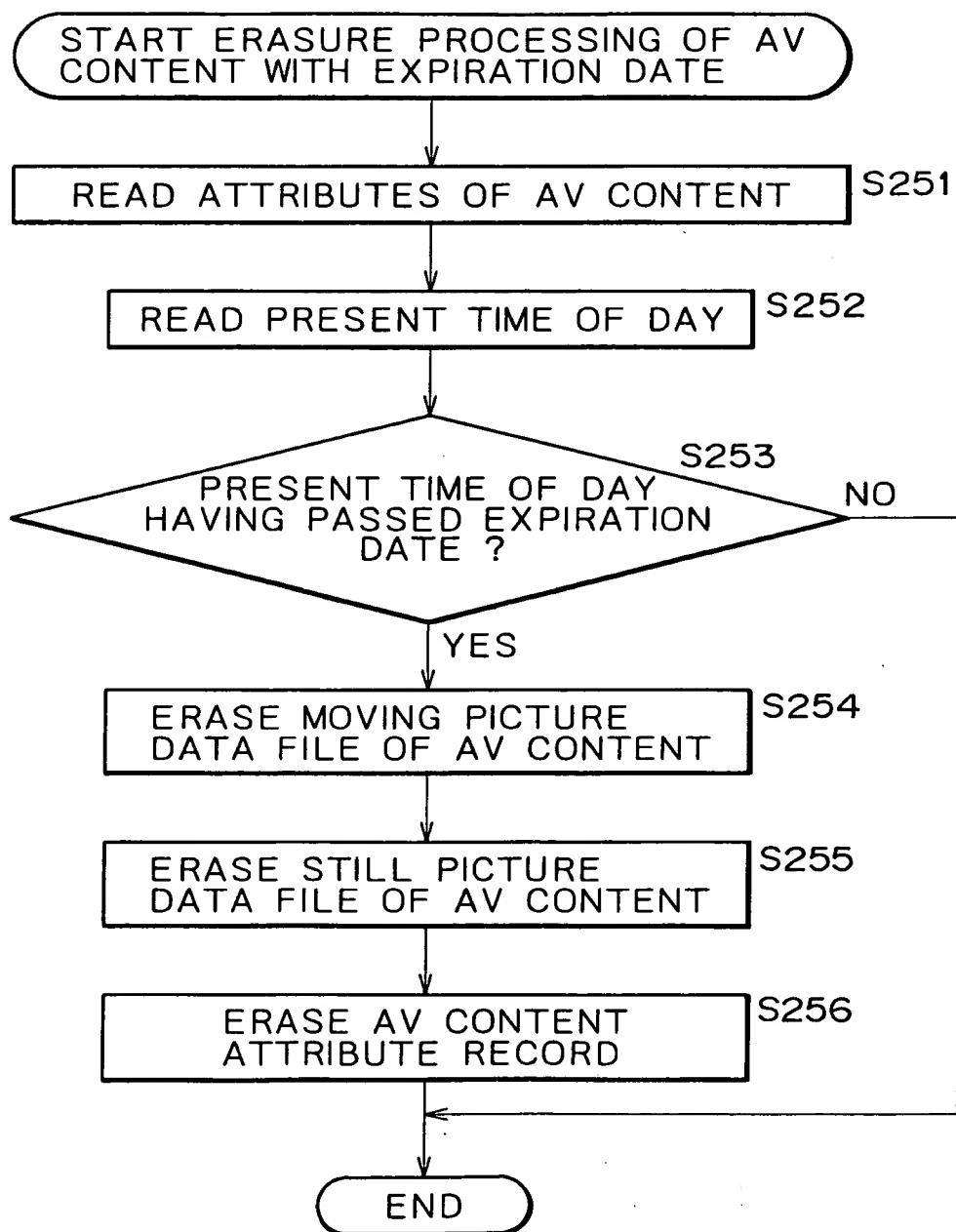
FIG. 29



F I G . 30



F I G. 31



F I G. 32

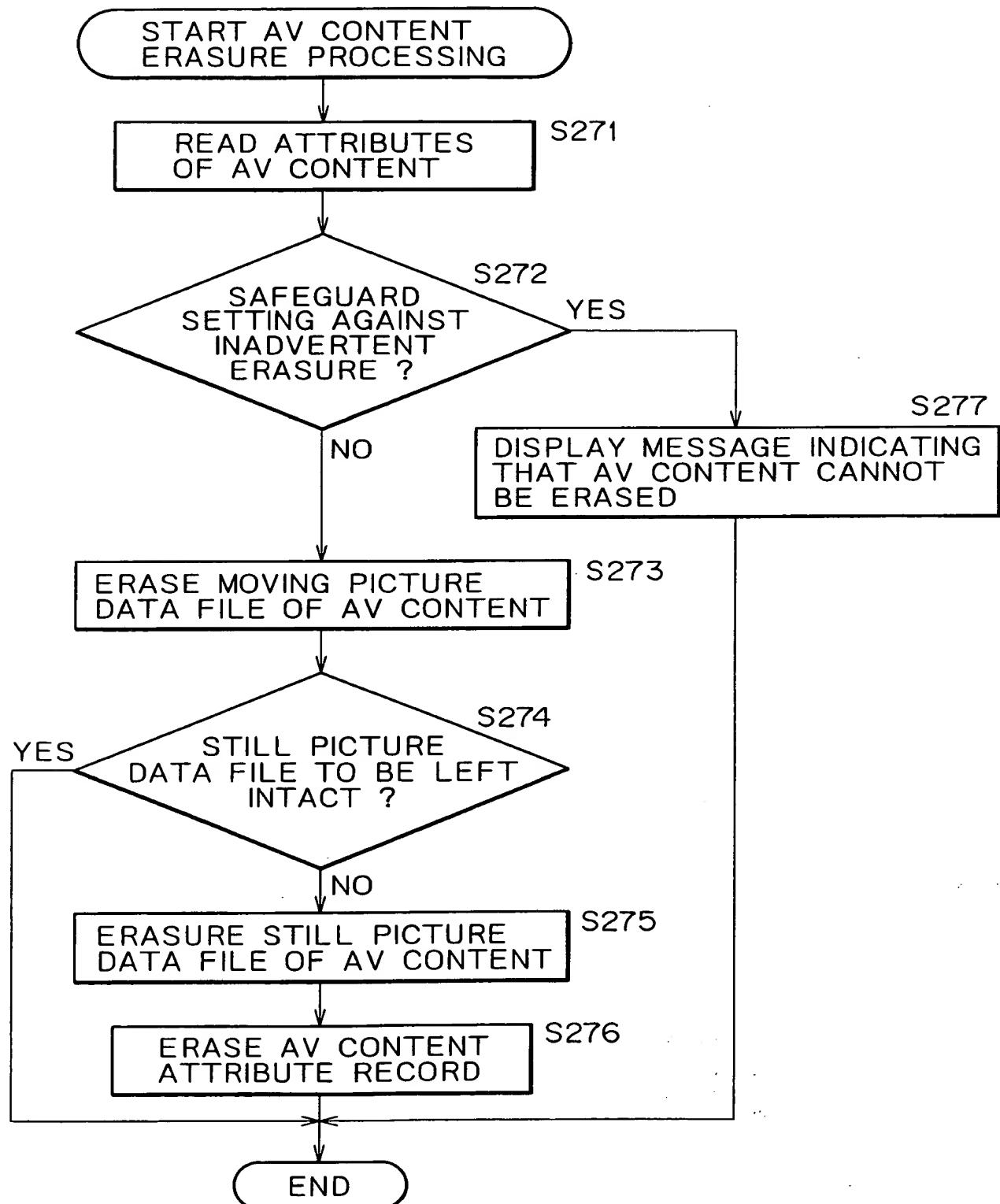


FIG. 33

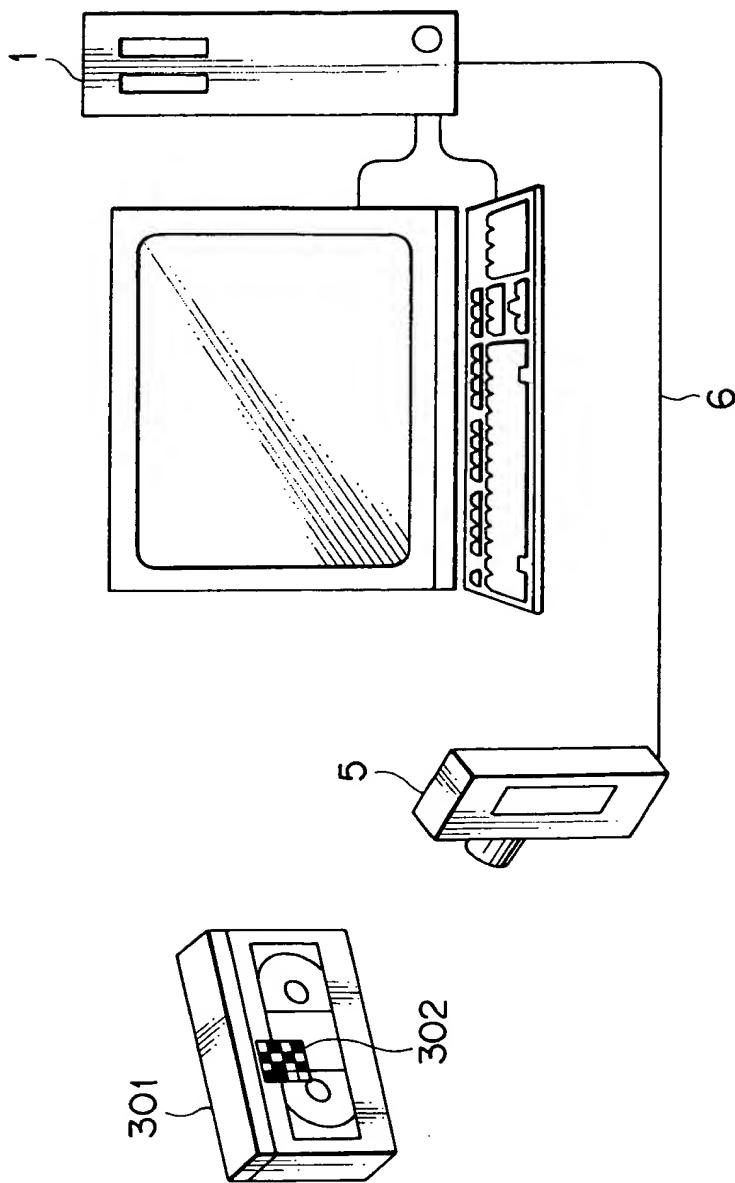
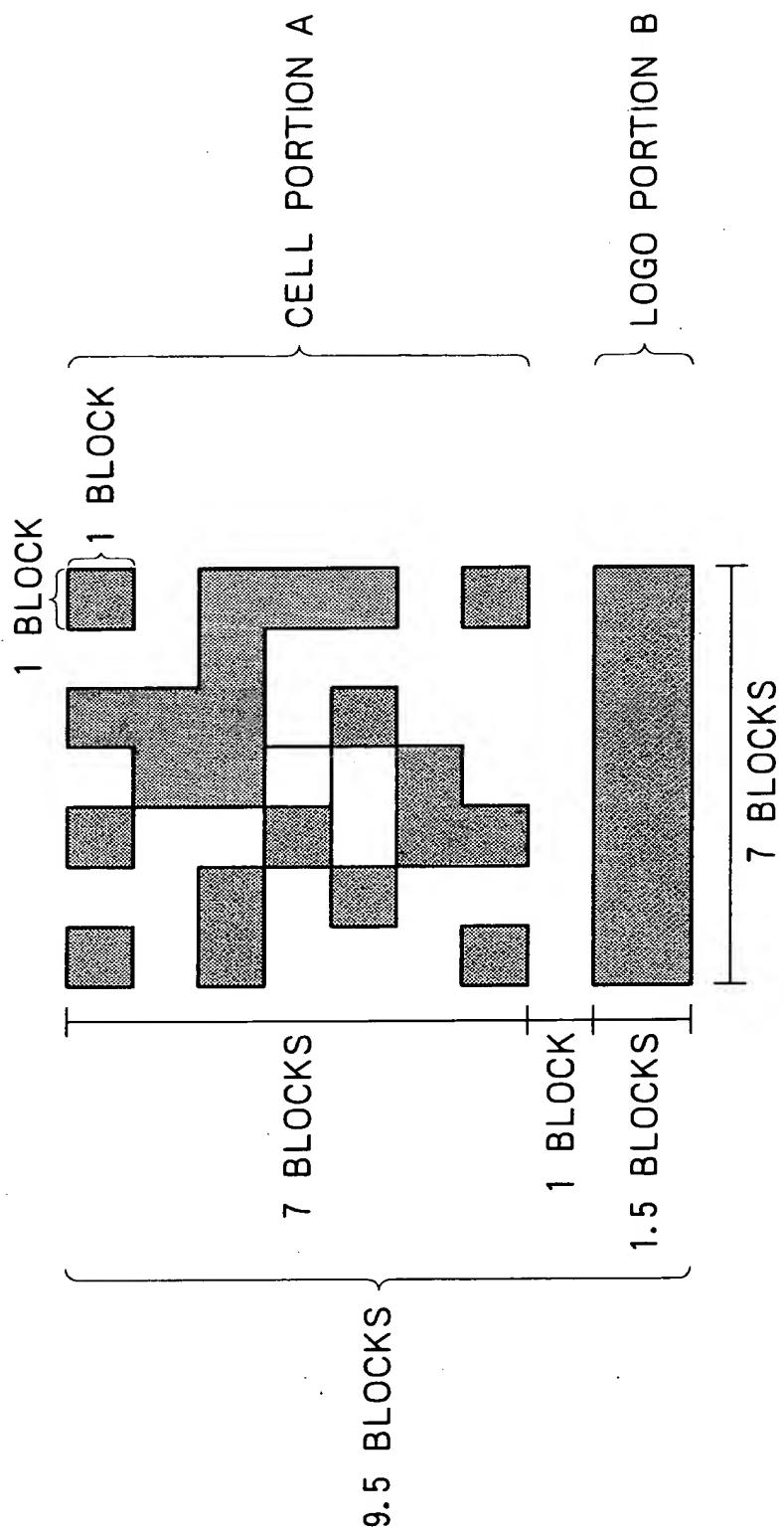


FIG. 34



F I G . 35

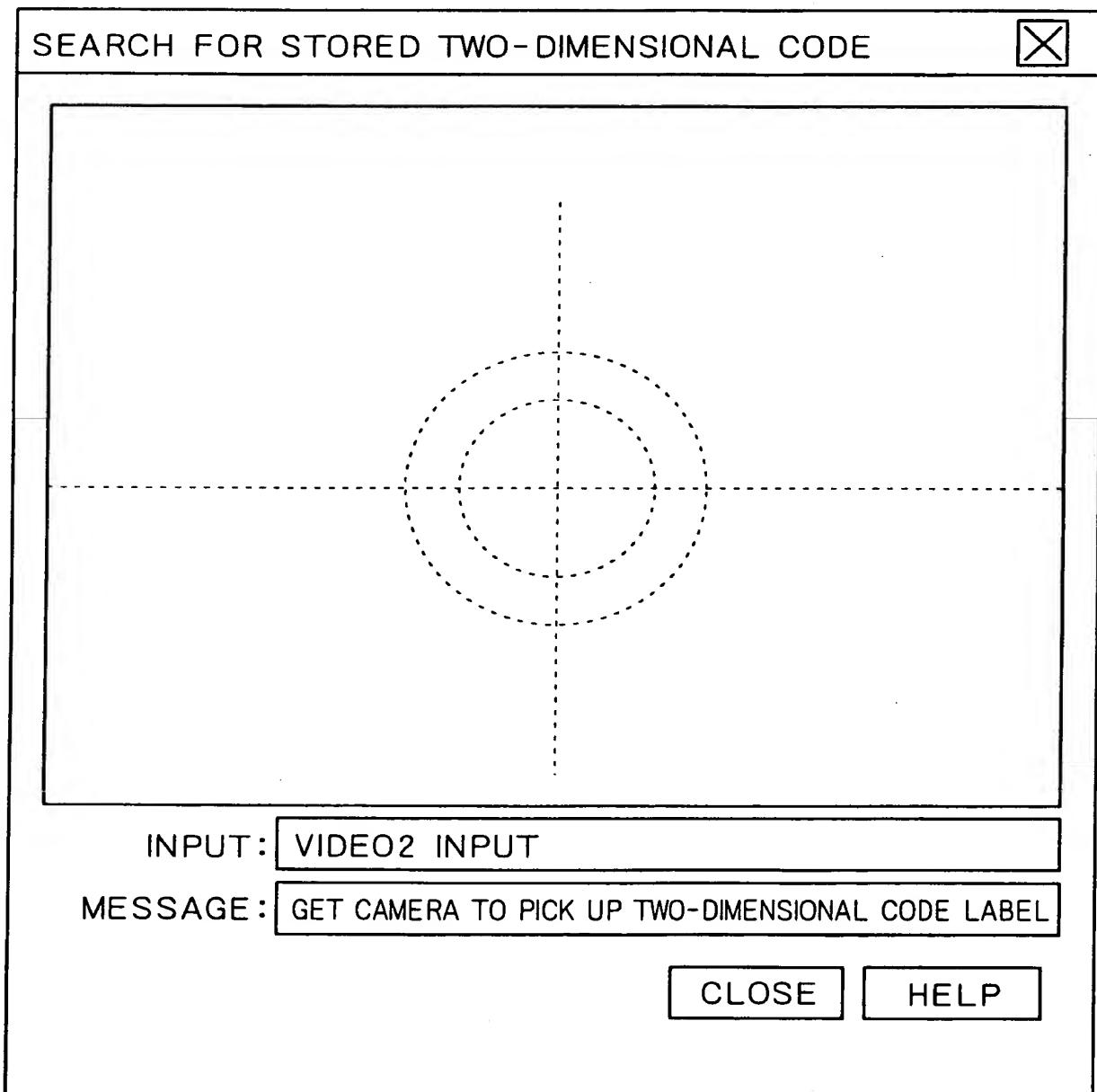
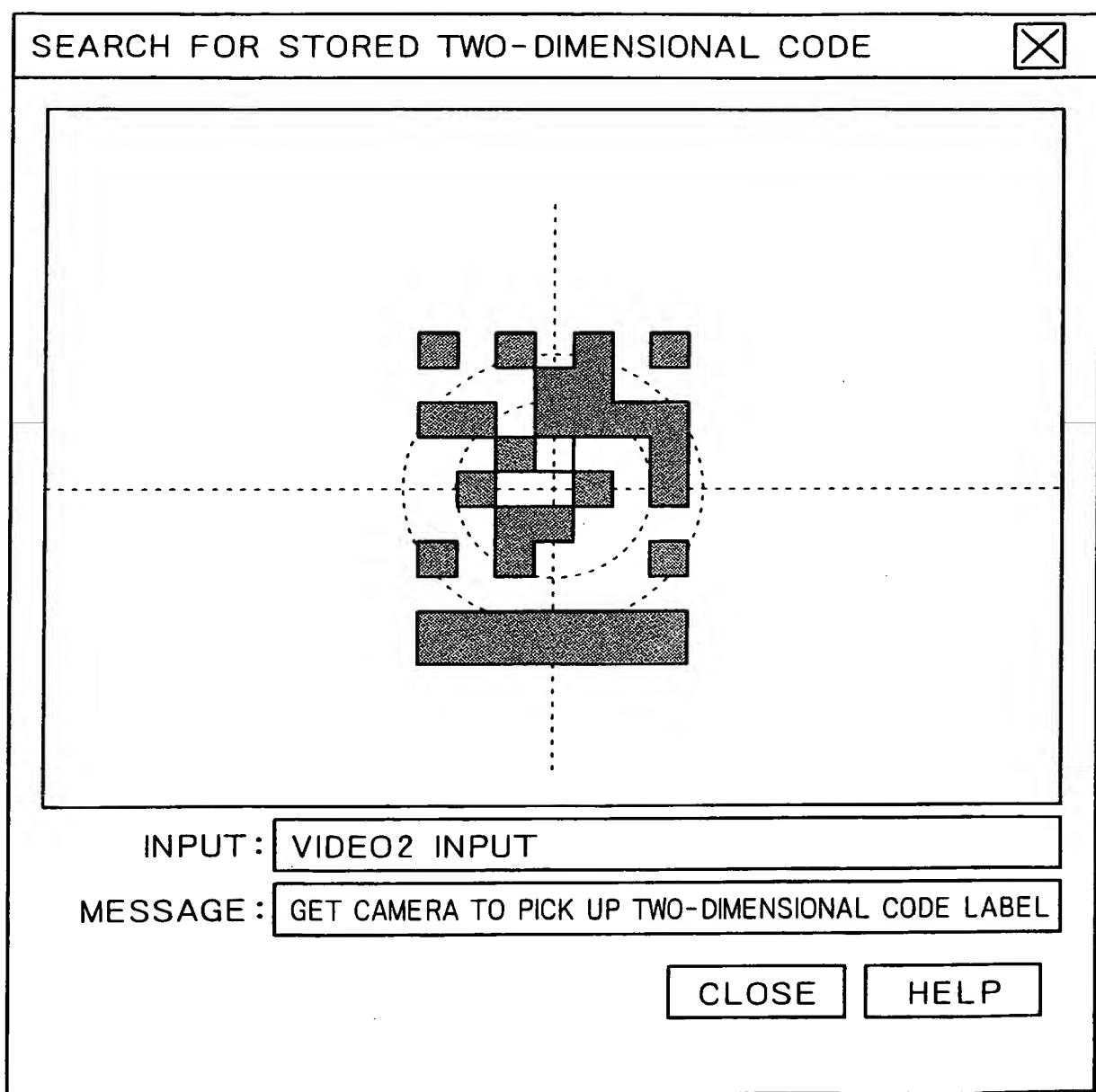
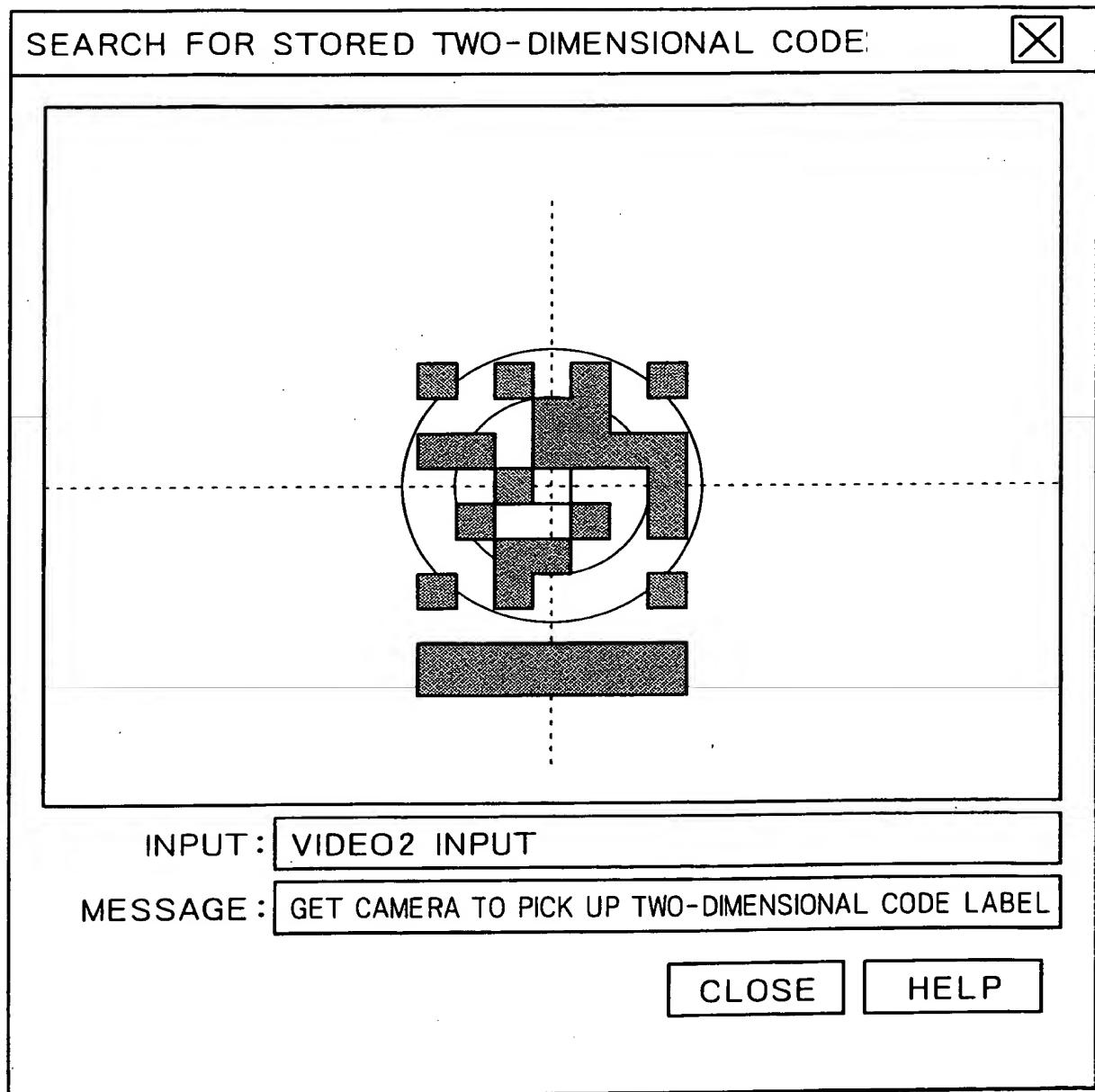


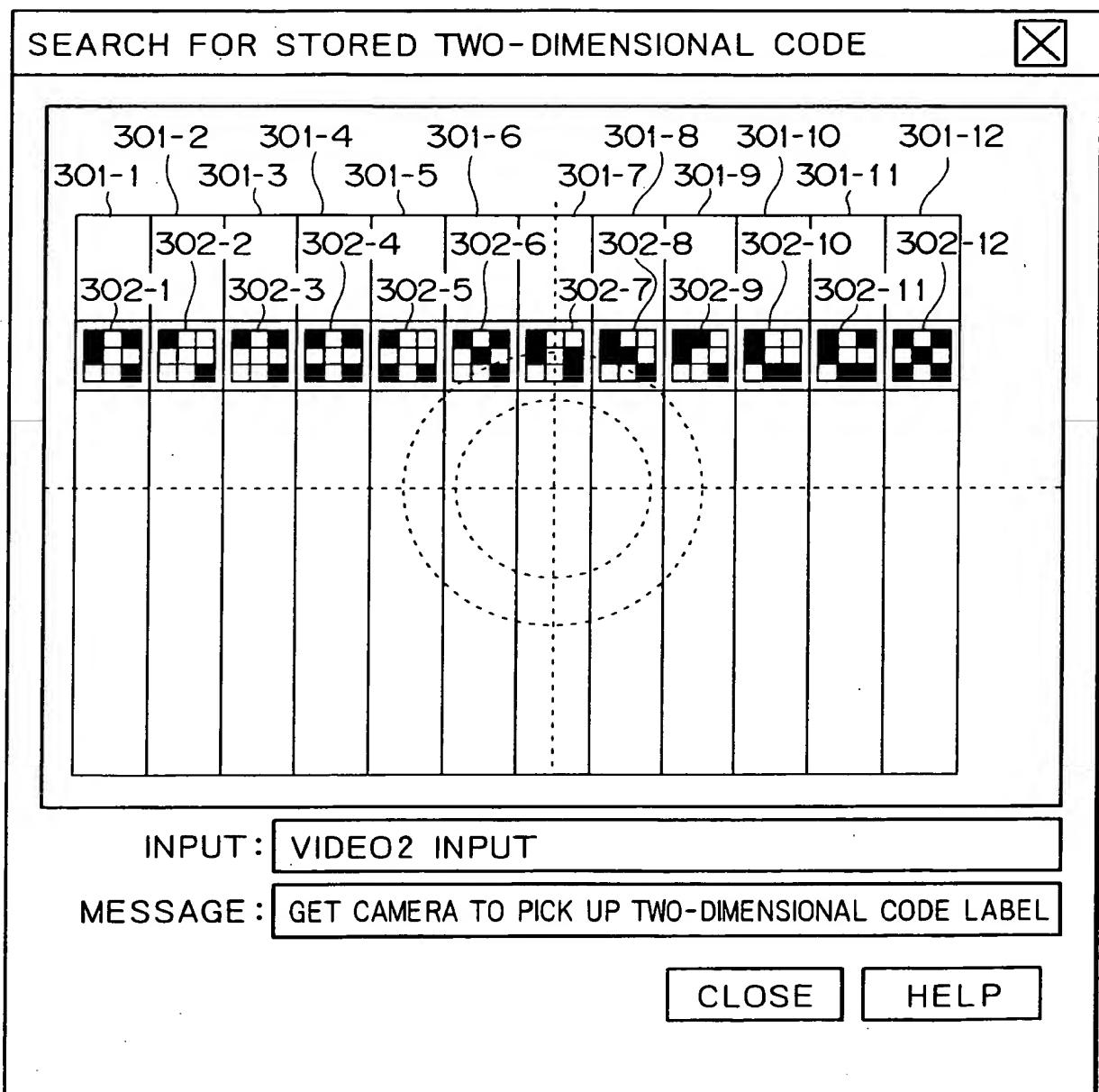
FIG. 36



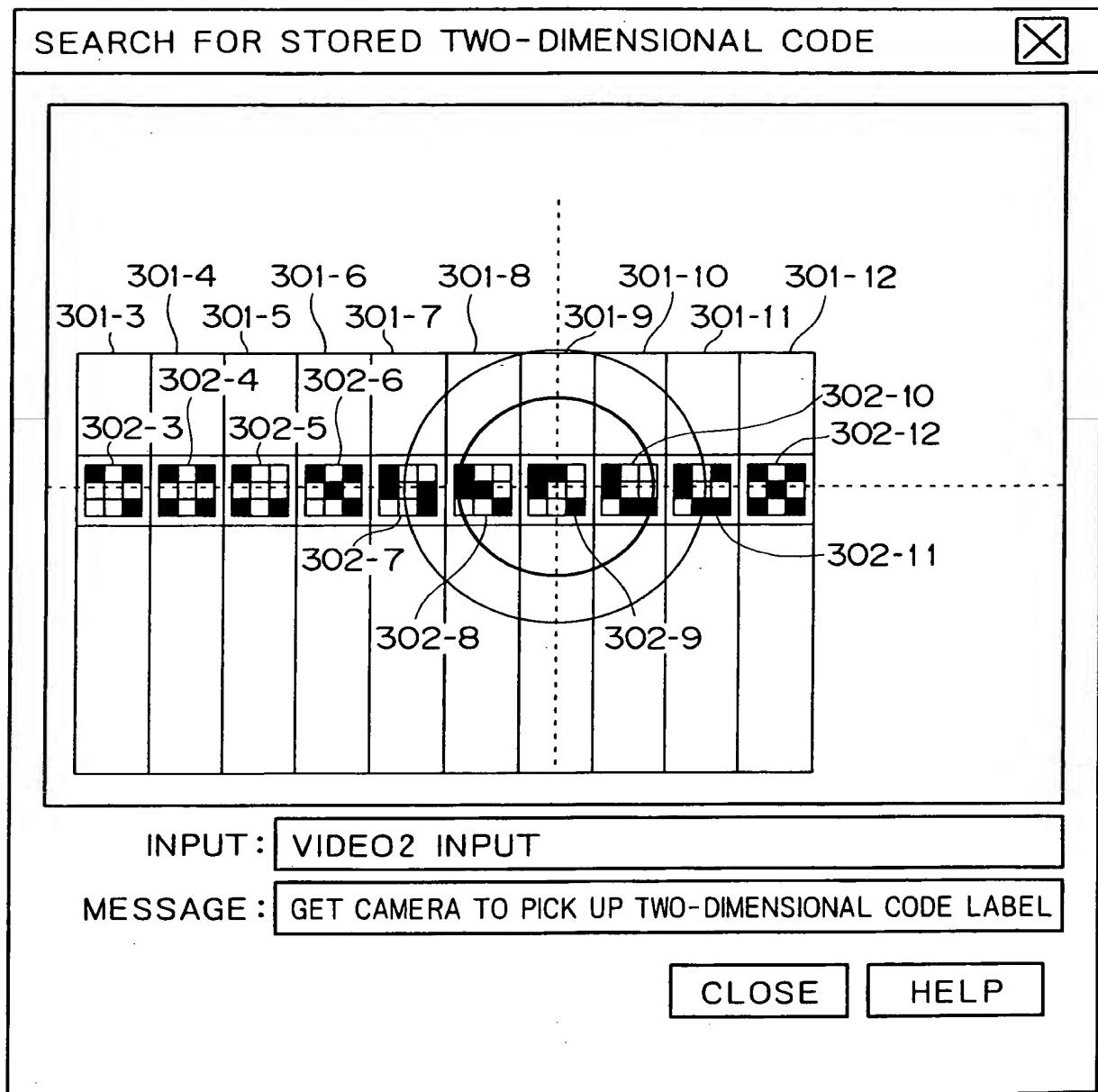
F I G. 37



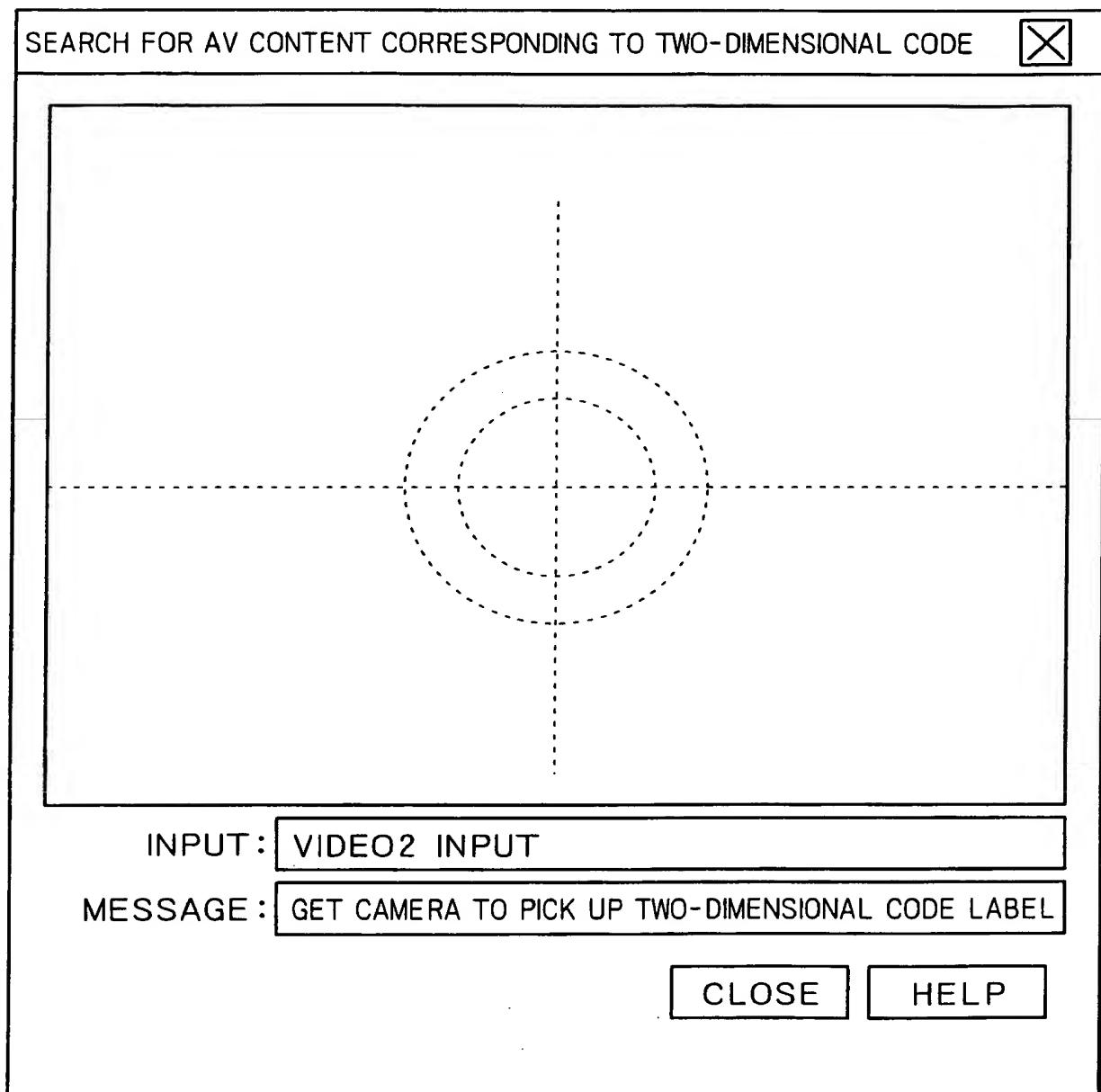
F I G . 38



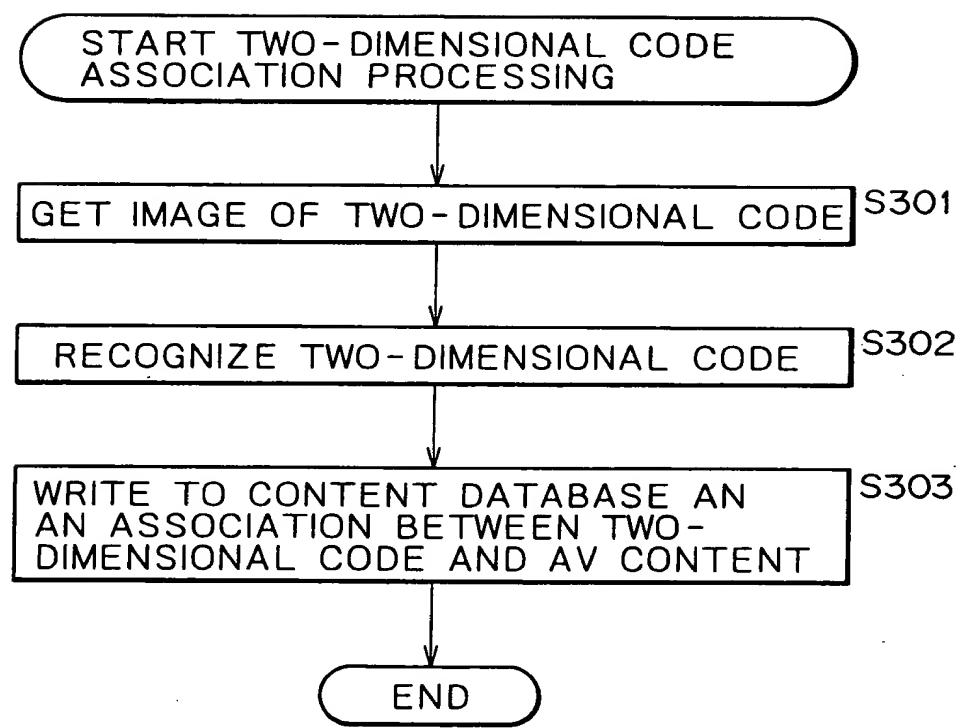
F I G. 39



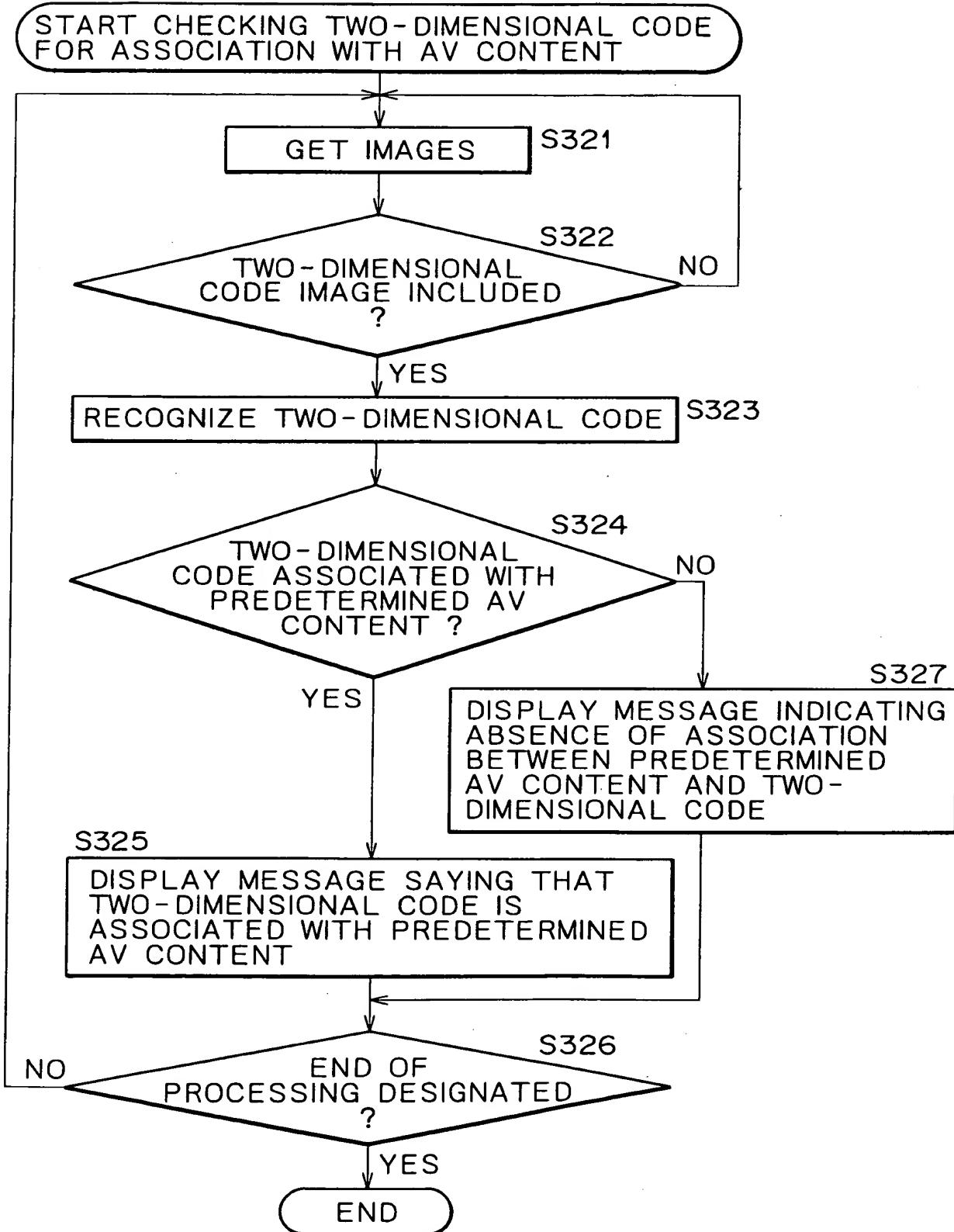
F I G. 40



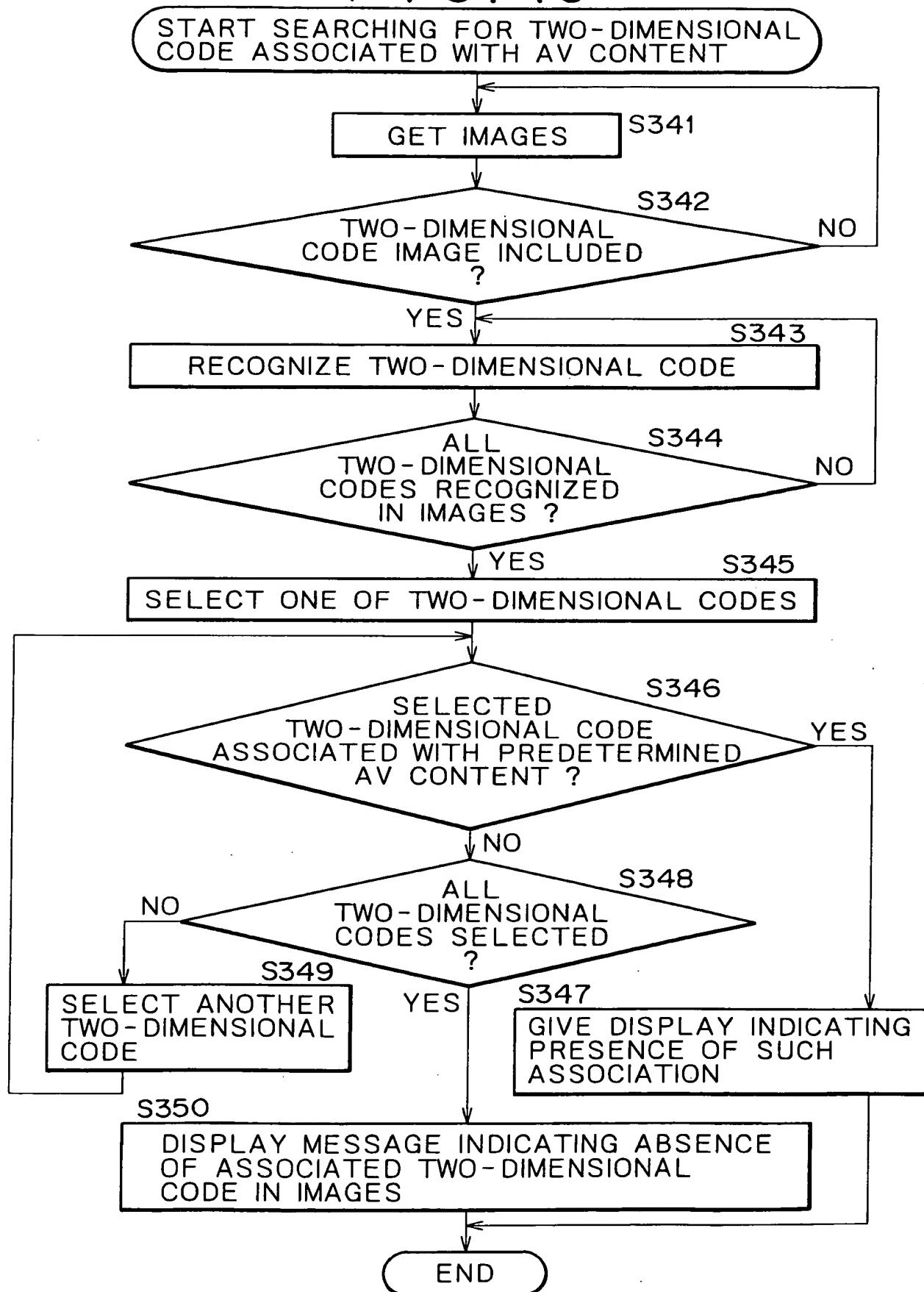
F I G. 41



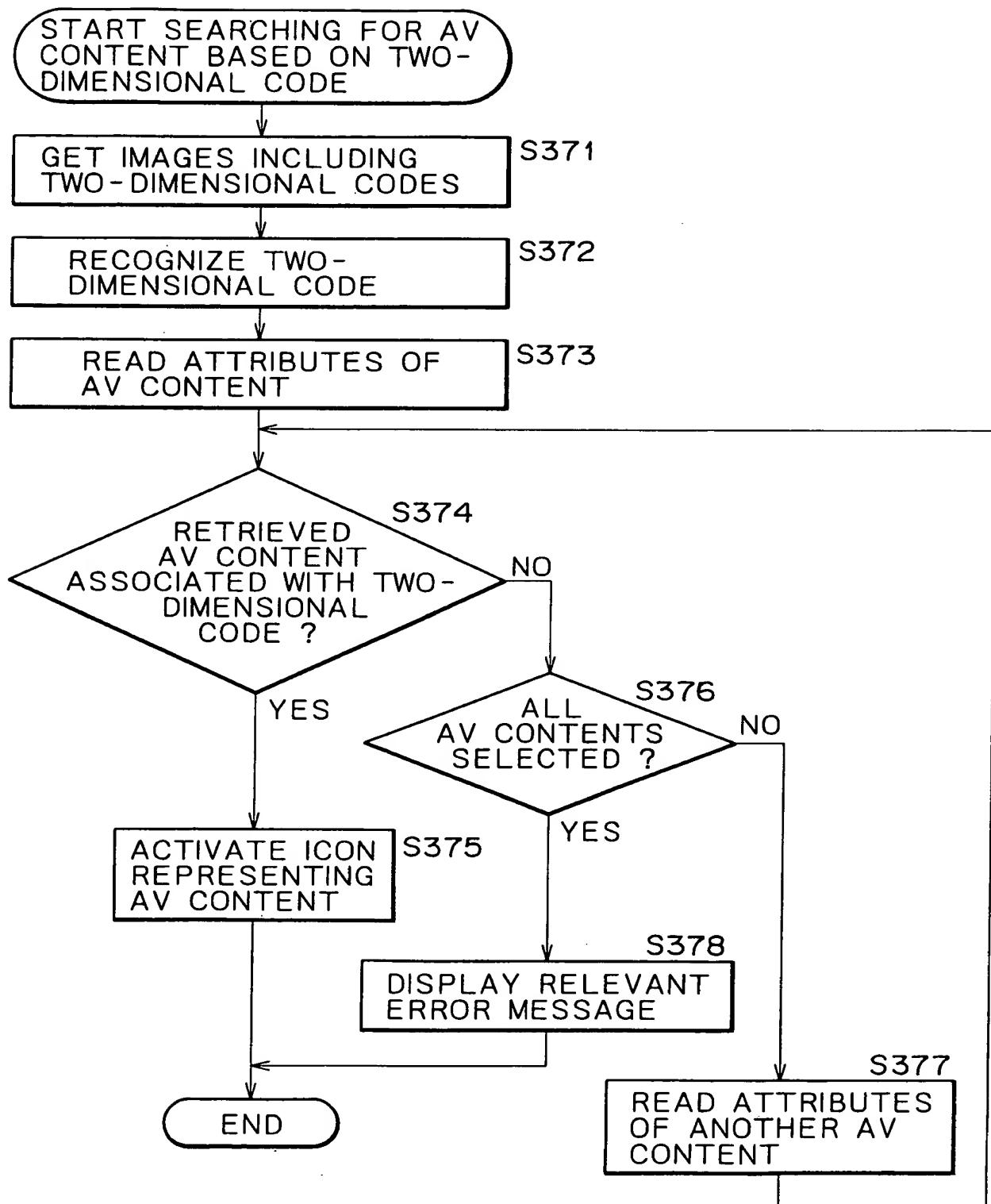
F I G . 42



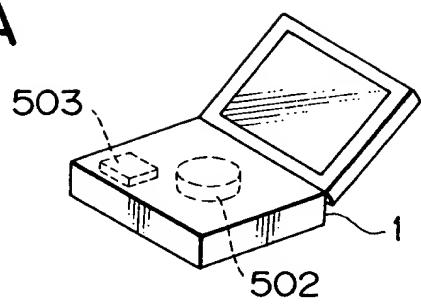
F I G . 43



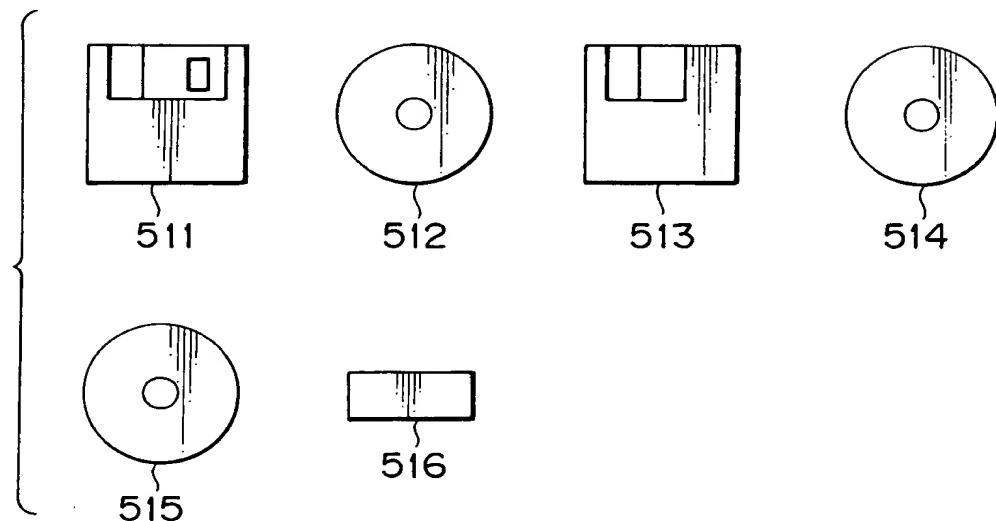
F I G. 44



F I G. 45A



F I G. 45B



F I G. 45C

